

			Target Exon				
405545		Hs.343026	ESTs, Weakly similar to T20593 hypothetical	1.55	2.64		
435299	A1745458	Hs.325823	ESTs, Moderately similar to ALU5_HUMAN A	1.55	3.81		
422060	R20893	Hs.143600	ESTs, Highly similar to <i>cis</i> Golgi-local	1.54	2.14		
5	424243	A1949359	protein kinase, interferon-inducible dou	1.53	2.62		
457500	NM_002759	Hs.274382	ESTs, Weakly similar to A56194 thromboxa	1.53	2.04		
424541	AW392551	Hs.180559	ESTs	1.53	2.00		
439039	A1656707	Hs.48713	ESTs	1.53	2.38		
449523	NM_000579	Hs.54443	chemokine (C-C motif) receptor 5	1.52	2.65		
10	457718	F18572	ESTs, Weakly similar to ALU4_HUMAN ALU S	1.52	2.06		
415198	AW0009480	Hs.943	natural killer cell transcript 4	1.52	1.40		
431594	A1623999		ESTs	1.52	2.12		
432656	NM_000246	Hs.3076	MHC class II transactivator	1.52	2.20		
422426	W79117	Hs.56559	ESTs	1.52	2.22		
15	414372	AA143554	gb:zo65a02.r1 Stratagene pancreas (93720	1.51	2.80		
427247	AW504221	Hs.174103	Integrin, alpha L (antigen CD11A (p180),	1.50	1.67		
433043	W57554	Hs.125019	lymphoid nuclear protein (LAF-4) mRNA	1.49	3.12		
406521	X57809	Hs.8897	immunoglobulin lambda locus	1.49	1.78		
419166	AA234638	Hs.293584	ESTs	1.49	2.10		
418323	NM_002118	Hs.1152	major histocompatibility complex, class	1.49	1.47		
20	435304	H10709	ESTs	1.48	2.96		
452834	A1638527	Hs.105685	KIAA1688 protein	1.48	2.14		
446616	R65964	Hs.334873	ESTs, Weakly similar to ALU8_HUMAN ALU S	1.48	1.38		
429272	W25140	Hs.110657	ESTs	1.48	3.19		
25	428379	X06026	CD3G antigen, gamma polypeptide (TIT3 co	1.48	1.66		
432321	A0840926	Hs.143552	KIAA1493 protein	1.47	2.16		
408847	AW290997	Hs.30348	ESTs	1.46	2.08		
405441			Target Exon	1.46	2.99		
443378	AW392550	Hs.9280	proteasome (prosome, macropain) subunit,	1.45	1.56		
459544	AW197203		gb:zn38b01.x1 NCL_CGAP_GC6 Homo sapiens	1.45	2.44		
30	431433	X65018	surfactant, pulmonary-associated protein	1.45	1.70		
422934	DE244189	Hs.122492	hypothetical protein	1.44	1.27		
409799	D11928	Hs.76845	phosphoserine phosphatase-like	1.44	3.46		
406898	X03068	Hs.73931	major histocompatibility complex, class	1.44	1.71		
35	421407	T82331	ESTs, Weakly similar to CGHU6C collagen	1.43	1.56		
413420	AW410235	Hs.75348	proteasome (prosome, macropain) activato	1.43	1.25		
400269			Eos Control	1.43	2.02		
420973	AA743415	Hs.291368	ESTs	1.42	2.06		
442104	L20971	Hs.188	phosphodiesterase 4B, cAMP-specific (dom	1.42	2.20		
430015	AW768399		ESTs	1.41	2.06		
40	427648	A1376722	proteasome (prosome, macropain) subunit,	1.41	1.31		
418870	AF147204	Hs.89414	chemokine (C-X-C motif), receptor 4 (fus	1.40	1.72		
437479	R61866	Hs.101277	ESTs	1.40	2.52		
425345	AU077287	Hs.165894	protein tyrosine phosphatase, non-recept	1.40	2.17		
45	416030	H15261	ESTs	1.40	2.62		
419866	AA251562	Hs.146168	ESTs, Weakly similar to AF118023 1 SH3 d	1.40	1.68		
443951	F13272		ferritin, light polypeptide	1.40	1.84		
414875	H42679	Hs.77522	major histocompatibility complex, class	1.40	1.42		
412471	M63193	Hs.73948	endothelial cell growth factor 1 (platelet	1.40	1.34		
50	428782	X12830	interleukin 8 receptor	1.40	2.30		
400680			NM_014207:Hom sapiens CD5 antigen (p66-	1.39	1.93		
428289	M26301	Hs.2253	complement component 2	1.39	1.39		
441410	AA832889	Hs.233304	ESTs, Weakly similar to I380229 hypothetical	1.39	1.42		
406845	M57466	Hs.814	major histocompatibility complex, class	1.39	1.45		
55	441379	AW175787	sele6n binding protein 1	1.38	1.32		
416636	N32536	Hs.42645	solute carrier family 16 (monocarboxylic	1.38	2.04		
418707	U97502	Hs.87497	butyryphillin, subfamily 3, member A2	1.38	1.35		
423526	A8011086	Hs.129739	KIAA0514 gene product	1.37	1.41		
424168	L29277	Hs.321677	signal transducer and activator of trans	1.37	1.33		
431723	AW058350	Hs.16782	Homo sapiens mRNA; cDNA DKF2p564B0262 (fr	1.37	1.74		
60	426437	BE078537	ubiquitin-conjugating enzyme E2L 6	1.35	1.38		
446556	H95741	Hs.17914	membrane-spanning 4-domains, subfamily A	1.35	1.54		
452353	C18825	Hs.29191	epithelial membrane protein 2	1.34	1.47		
448406	AW772298	Hs.21103	Homo sapiens mRNA; cDNA DKF2p564B076 (fr	1.31	1.77		
65	435106	AA100847	Hs.5978	ESTs, Highly similar to AF174601 1 F-box	1.31	1.53	
444633	AF111713	Hs.286216	junctional adhesion molecule 1	1.30	1.37		
430988	AF128847	Hs.204038	Indolethylamine N-methyltransferase	1.29	1.49		
419092	J05581	Hs.89603	much 1, transmembrane	1.28	1.36		
451884	N20370	Hs.89547	ESTs	1.28	1.42		
70	421140	AA298741	signal sequence receptor, delta (transf	1.28	1.31		
412790	NM_014767	Hs.74583	KIAA0275 gene product	1.28	1.63		
446272	BE268912	Hs.14601	hematopoietic cell-specific Lyn substrat	1.28	1.38		
422530	AW972300	Hs.118110	bone marrow stromal cell antigen 2	1.28	1.36		
435822	T95594	Hs.187435	ESTs	1.27	1.82		
75	455863	AA907305	ESTs	1.27	1.36		
404277			NM_019111:Hom sapiens major histocompa	1.27	1.52		
413497	BE177661		gb:RC1-HT0598-020300-011-102 HT0598 Homo	1.27	1.54		
441835	AB036432	Hs.184	advanced glycosylation end product-speci	1.27	1.53		
418371	M13560	Hs.84298	CD74 antigen (Invariant polypeptide of α	1.26	1.27		
434747	AA837085		ESTs	1.26	1.60		
80	426320	U29344	fatty acid synthase	1.25	1.36		
452363	A1582743	Hs.83190	Homo sapiens, Similar to complement comp	1.25	1.41		
434644	H98071	Hs.94953	chromosome 21 open reading frame 50	1.25	1.30		
404854		Hs.4055	Target Exon	1.25	1.57		

406973	M34996	Hs.198253	major histocompatibility complex, class	1.25	1.57	
421071	AI311238	Hs.104476	ESTs, Weakly similar to CGHU1E collagen	1.24	1.26	
431779	AW971179	Hs.268571	apolipoprotein C-I	1.24	1.39	
416047	BE439894	Hs.79991	DNA segment, numerous copies, expressed	1.23	2.08	
5	406826	AW516005	CD74 antigen (invariant polypeptide of m	1.23	1.20	
426836	N41720	Hs.172684	vesicle-associated membrane protein B (a	1.22	1.24	
415861	AF057307	Hs.78575	prosaposin (variant Gaucher disease and	1.22	1.16	
408824	AW515961	Hs.84298	CD74 antigen (invariant polypeptide of m	1.22	1.17	
10	420679	X57152	fibrillarin	1.22	1.30	
443071	AL000021	Hs.8986	complement component 1, q subcomponent,	1.22	1.58	
418090	U57059	Hs.83429	tumor necrosis factor (ligand) superfamily	1.21	1.33	
430250	NM_016929	Hs.283021	chloride intracellular channel 5	1.21	1.60	
406825	AI982629	Hs.84298	CD74 antigen (invariant polypeptide of m	1.20	1.20	
15	436806	H95990	major histocompatibility complex, class	1.19	1.27	
422241	Y00062	Hs.170121	protein tyrosine phosphatase, receptor type	1.19	1.62	
408279	AF216955	Hs.44095	Homo sapiens, clone MGC12617, mRNA, com	1.18	1.25	
411372	AI147861	Hs.213289	low density lipoprotein receptor (famili	1.17	1.33	
444342	NM_014398	Hs.10887	similar to lysosome-associated membrane	1.16	1.49	
20	406906	Z25424	gb3:H.sapiens protein-serine/threonine ki	1.16	1.15	
451558	NM_001089	Hs.26630	ATP-binding cassette, sub-family A (ABC1	1.16	1.38	
432805	X94530	Hs.3107	CD97 antigen	1.16	1.22	
427383	NM_005411	Hs.177582	surfactant, pulmonary-associated protein	1.16	1.41	
438086	AA336519	Hs.83623	nuclear receptor subfamily 1, group I, m	1.16	1.36	
25	443623	AA345619	complement component 1, q subcomponent,	1.15	1.27	
429832	AW293301	Hs.288472	ESTs, Weakly similar to UBPFL_HUMAN UBIQU	1.15	1.72	
438183	BE263252	Hs.6101	hypothetical protein MGC3178	1.15	1.21	
432680	T47364	Hs.278613	Interferon, alpha-inducible protein 27	1.14	1.21	
406782	AA430373	gb3zw2011a1 Soares ovary tumor Nb-HOT H	1.14	1.41		
30	414662	AL036058	Hs.76807	major histocompatibility complex, class	1.12	1.25
452547	AA335295	Hs.74120	adipose specific 2	1.11	1.39	
414803	X03100	Hs.914	Human mRNA for SB classII histocompatibi	1.11	1.22	
430280	AA361258	Hs.237868	interleukin 7 receptor	1.10	1.73	
441384	AA447849	Hs.268660	retinoic acid induced 3	1.08	1.22	
35	424614	X54466	Hs.151242	serine (or cysteine) proteinase inhibito	1.09	1.14
419200	AW966405		EST	1.08	1.64	
416511	NM_008762	Hs.79366	Lysosomal-associated multispanning membr	1.08	1.18	
409428	M33680	Hs.54457	CD81 antigen (target of antiproliferativ	1.07	1.12	
447023	AA356764	Hs.17109	Integral membrane protein 2A	1.07	1.71	
421481	AW391972	Hs.104666	KIAA1324 protein	1.07	1.58	
405868	AA505445	Hs.300697	Immunoglobulin heavy constant gamma 3 (G	1.07	1.23	
412819	T25829	Hs.24048	FK506 binding protein precursor	1.08	1.45	
418263	AA215539	Hs.283643	Homo sapiens cDNA FLJ11606 fis, clone HE	1.06	1.24	
431243	U46455	Hs.252189	syndecan 4 (amphiglycan, rydican)	1.05	1.17	
446133	AA723157	Hs.73769	folate receptor 1 (adult)	1.04	1.21	
407112	AA070801	Hs.51615	ESTs, Weakly similar to ALU7_HUMAN ALU S	1.04	9.14	
418156	W17058	Hs.83623	nuclear receptor subfamily 1, group I, m	1.03	6.65	
438089	W05391		nuclear receptor subfamily 1, group I, m	1.03	8.00	
429815	AF258627	Hs.211562	ATP-binding cassette, sub-family A (ABC1	1.01	1.25	
50	406722	H27498	Homo sapiens SNC73 protein (SNC73) mRNA,	1.00	1.18	
438091	AW373062		nuclear receptor subfamily 1, group I, m	0.99	12.84	
407018	U49869	NM_018955	Homo sapiens Utkutin B (UBB)	0.99	1.07	
412896	AW804157	Hs.308026	major histocompatibility complex, class	0.98	1.57	
435523	T62849	Hs.11090	membrane-spanning 4-domains, subfamily A	0.97	1.40	
426530	U24578	Hs.278625	complement component 4A	0.96	1.28	
55	456898	NM_001928	Hs.155597	D component of complement (edipsin)	0.95	1.29
407241	M34516		gb3:Human omega light chain protein 14.1	0.94	1.11	
425371	D49441	Hs.155981	mesothelin	0.92	1.45	
431369	BE184456	Hs.251754	secretory leukocyte protease inhibitor (	0.91	1.28
60	TABLE 35B:					
	Pkey: Unique Epc probeset identifier number					
	CAT number: Gene cluster number					
	Accession: Genbank accession numbers					
65	Pkey	CAT Number	Accession			
70	411089	5597_6	BI009308 BI009893 BF922023 BF922909 BF922913 BF922096 BF957733 BE701791 AA456454 AA579876 BF933710 AA091294 BI007291 AW905577 AW975593 AA713730 AW836781 AA655384 AA551106 BF594605 AI082382 AI955808 AI679895 AI679886 BF435555 AA586359 AA551351 AA595822 AA565168 BF808855 AA584921 N86077 AA601031 AA63318B AA514764 AA454562 AA551297 AA936109 BI009389 AW897806 BEB15442 BE739374 BI009310 BF925422 BF933709 BF922034 BF925465 BI009380			
75	452194	90339_1	AI694413 AW994700 AJ912946 N73548 AI082035 AW271652 W24169 W24182 AI719718 AA024658 AW810120 AW015394 T77955 AA998043 AI709339			
80	410910	1063929_1	AW810196 AW810555 AW810507 AW810204 AW810819 AW810534			
	412394	1174616_1	AW947794 AW947793 AW947802 AW947798 AW947792 AW984150 AW984165 AW984167 AW984168 AW984179 AW984134 AW984160 AW984180 AW984194 AW984202 AW984190 BE156943 BE157375 BE156985 BE156949 BE156956			
	413682	1527038_1	AI346734 AI377971 BG193341 BG548376 AA928353 AI768724 BG215700 AA449370 BI462157 BI060283 BG677508 AA318802 BG719160			
	441320	58978_5	AW293825 AW235391			
	408544	683260_1	BE141306 BE141288 BE141283 BE141162 BE141168 BE141290 BE141161 BE141165			
	413454	1515217_1	BO013183 AW408658 NM_002119 M31525 M26039 BM456399 BF732381 BM152457 AW407685 BM193161 AW407778 BI819141 AA702254			
	444404	16136_1	BF855074 BI761232			

436063	5483_1	AK00028 AA494483 AI298674 AA720773 AV761529 AI884670 AI936202 AW294235 D61652 BF881184 AV711384 N27154 AI926970 AV734970 N40094 N28596 AA884747 AA512890 BG436593
5	47906_14	AI147991 AI142274 AI198553
	424281_1	AA338252 AA338213
	423901_1	AW962691 AA333006 AA332289
	414981_1	D78831 C17898 D78863
	411673_1	BP330730 BF305639 BE153665 BE065062 BE064650 BE064863 BF330763 BE153820 BE064737 BE155079 BE064651 AW856751 AW866622 BE064691 BE153674 BE153698 BE064730 BE153536
10	452203_1	BC014081 NM_000593 X57522 L21208 L21207 L21206 L21205 L21204 AL561404 AL546423 AL560492 AL556862 AL541576 AL550654 BI823519 BI770023 AL554969 BI489906 AI046933 AW295947 BM146642 X57521 BG820143 BE898390 F06770 F12630 BM423610 AL561518 BM009470 -
		BE742981 AA279683 AA847441 AA313737 BF72639 BF897216 BF914190 BF903647 S70277 AI569694 AW073299 AI361433 AA564644 AA487429 BE885232 AA838610 AI539114 AI719375 BE89129 BC057445 AL423422 AU856860 BE300655 AW170777 AA586856 AL571889 AL556850 AL576404 AL602800 BI255544 BF342301 BGB75994 AA054458 AA353161 AI940434 BEB16522 AL577636 AI479650 AW150377
15		AI154395 AW951271 AI032220 AI819778 AI345733 AW771150 AW512525 AI249904 AA279809 AI352549 AW512517 BG055280 AA521222 BE271141 AL81932 AL541575 BI819184 AV660190 AL566475 AI620020 AW098988 AW079179 Z21516 AA867601 F04651 A1783961 T57198 AI433367 T70652 AL554968 AA366648 AL582619 BE874601 BF804669 AL574458 BM145503 AI265514 AI538023 AI475626 AA948210 AA884054 AA487637 AA031844 AA535221 AW794256 AW361447 BE788505 AI682892 AA882356 AA653084 BM009154 AA135727 H05927 H22433 R42244 N79997 AW366665 AW366001 AA678742 AL556474 AA135770 BE774050 BF914200 H88457 AA627746 BI560216 BI753586
	458332_1	AI000341 AI763641 AW873274
	431594_1	AI823999 AA970060 AA508176 AW972585 AI873427 AW972389
	414372_1	BI093452 AW970865 BG118285 AA569075 AA492132 AW753140 AA213770 AA143654
	455644_1	W03900 AW197203 AW753300
20	662395_1	X65018 BC022318 NM_003019 BE465060 AI732256 BF446634 AI820677 AI002217 AI924488 BI821373 BI770406 BI823937 BI820265 BI489632
	400269_1	BC482911 AA617783 AI807697 AW205576 T94427 AA487101 T94513 BI819407 BI822450 BI820618 BI824619 BG542824 BG537062
		BC017171 BC012195 NM_007126 AI00752 AL137377 Z70756 BE474385 BG754806 AU124376 CG757203 BG764420 BG775028 BG824418
	25	BM045910 AL120387 BG770238 BG686740 BG913323 BI759980 BG395988 BM048975 BE881070 BE313689 BE879144 BM309834 AW245847 AI770171 BE198861 BE858897 AA463876 AI375927 AA648810 AA9490183 AI458983 AI458188 AI240408 AI191843 AI131029 AW788399 AI365196 AW337984 AW026150 BE466591 BE574598 AI818498 AA772197 AI651927 AW151143 BI198825 BC819083 BM458764 BE903587
		BE732715 BM043200 BE900263 BE900706 BE731097 BE390023 BG8753B4 BF996406 BF988930 BM475542 AW246215 BE601897 BE903610 BE656150 BE560537 BE903782 BI2727204 BG761305 BE262642 BE391848 BE382458 BI098258 BI547991 BI459098 BE391391 BE259420 BE298109 AW245422 AI423847 AI914618 I80534 BE901004 AL531791 AI435581 BF783112 AL577303 AA373265 BE746965 BF743630 BE879286 AI359493 BM018598 AI689260 AW072450 F20201 AW151405 AW515752 AA773468 BG256984 BE391163 BG621529 AI421728 BG767231 BM462953 BG340524 W52648 AA113434 BE875431 BI041981 BE832385 BG253168 BG759470 BF369329 BF981332 BE259418 BE785739 BI091856 N72512 W58732 W85690 BC058989 AI205206 H19721 W17051 W77998 BE262010 AW844319 W74143 W72214 N85194 BE734033 BG164099 AA931069 F13545 R41394 AI025758 BI081877 BE349455 AA812018 A1740241 AI027222 AI150356 AA886395 AW97627 BE220225 AA884082 AW518114 AI243844 AA809493 AA481029 AA825718 AI347856 AI431670 AA814436 AI251109 R07704 AA765606 AA724593 AI918399 AI537550 AA491103 AW008189 R077038 AA891120 AA746235 AW028983 AA789102 AU185715 AW971465 AA489681 AW971893 AW612086 BE077936 BI868008 BE002760 BG746251 BE92912 BM454583 BI134894 BI104082 H80591
30	443951_18	AI334106 R63583 AI028079 AI140098 AI911625 AI880537 F348156 W55659 N40935 W52768 AA854747 AA861945 AA878472 AA778270 W32249
	413497_1	AA026061 W52662 W15352 W79670 W95394 T94283 AA002155 R82052 BE825493 BE825520
	434747_1	BE177661 H06215 BE144709 BE144829
	405782_0	AW976537 AI033582 AA837065 AA745261 AA648395
	419200_1	AA430373 AA988771
35	9531_1	BF36043 AW190446 BG194731 AW662036 AI445021 BE937550 AW818972 AW393132 AA834685 BF112058 AV721682 H16423 AI270167 AI857345 AA937302 AW818444 BE928780 BG498878 BF156010 BI598271 BI599811 BE161728 AW578737 AW753711 AW379707 AW381918 BE656630 AW286337 AW934240 BF887392 BF790073 AW381624 AW727105 BF439818 AI4343174 AI018009 N42850 AW573242 AI417258 AA463483 AI876131 AI167170 AI836827 AA443828 AW592922 AA235129 AA730278 AW439052 AW474332 BI043239 AW474342 BG708553 AW362423 BF080028 BE827256 R16550 R39478 R39479 BM40916 BM314745 AA251087 D54231 D55274 BF085805 D31589 AW956405 AW994425 D81978 BE0593545 AW901107 AA383529 AI201552 R58420 N3976 BE573281 BI62595 AA234956 BE093539 AW967008 BF356897 BF366318 AA663836 BE702096 BF035969 AI267384 AI267232 BE348320 AA621574 AAB61212 BF033431 AV745131 D53074 AW954476 AW954472 AA376838 AW724531 C14928 AA093287 AA062838 BG483558 BE940694 AA765954 T70171 BE938775 BE940057 D53502 AW373300 AL116798 BM128729 AW183411 AW444709 AW952455 AI887612 BF431948 BI498876 BI264159 BM128481 AI62457 AI689301 AI969467 AA861686 AA251695 AA625761 AA872090 BI826790 AA823865 BE827416 R75951 D56918 R68122 BE827384 AL118797
		AI184164 AA164411 BI495332 BE858113 AI863860 W0680 W680369 AW780369 C14667 BE934995 BI018552 R92801 AA164410 H00752 AW373305 AW373299 AW373302
	438089_4	BM75665 BE624917 AW770789 AW952971 N54683 BM263259 AI224545 AI184866 N69114 AW518902 AI440169 AA808472 AV854440
		AA281842 AI185230 AW393782 BI672923 AI537113 N738927 H63731 BI671784 AW897824 BI11204 AA344645 BE009112 BG895654 H91240 R60548 N41701
	438091_1	AI054860 AW652198 AW652192 AW652138 AW652127 AW652194 BE935919 AV652017 AV651995 AV661549 AV646053 AV851985 AV646184 AV646179 AW880409 AA345002 BF155189 BE068931 ME5197 AL603014 AW953629 BM263546 BE550772 AA701084 AI681352 AA358589 AW938841 BF43B147 W05391 H75313 BF326185 AV646335 AV651589 AV646340 AV651992 AV646384 AV848364 AV687497 BF155183 AV646370 AW797870 AI906821 X56196 BE833835 AA629440 BE833908 BF224205 AA709126 BE573807 AI923886 AA947832 AI276125 AI185720 AW510698 AW898620 BE467708 BF475318 AI024767 BE174213 AA757598 AA513019 AA902959 AI860794 AI334784 BF108411 AI024768 BE699445 BE699444 AI707803 D52654 AI214518 AI004723 AI59805 AW087420 AI565133 AA845671 AW898622 BF110144 AW513280 AI61126 BF362770 AI268939 AI435818 BF475318 AI024767 BE174213 AA757598 AA513019 AA902959 AI860794 AI334784 BF108411 BM310532 AW513771 AI951391 AI337671 BF095806 BF095801 BF095408 AW890091 BF095753 AW243400 AW898607 AW898616 BF362782 AI922204 AW898626 BE699466 BE174196 AW102823 D52715 BE699455 D52477 D505107 BF955933 BG623563 AV646254 AA463522 BI003244 AI299190 W40186 BE174210 BF939091 BF434180 AW579001 T65562 H01811 T52522 BF450937 BF955938 D54679 D53933 R67100 BG925552 BF3690566 R83430 229922 T65791 W03942 H63289 AI091537 BF086583 AA45570 H48870 H80720 183523 BI039762 BI0397700 R00353 BF155184 NB8343 N79072 H01812 T55581

TABLE 35C:

75	Pkey	Unique number corresponding to an Eos probeset
	Ref	Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) <i>Nature</i> 402:489-495.
	Strand	Indicates DNA strand from which exons were predicted.
	N ₁ _position	Indicates nucleotide positions of predicted exons.
80	Pkey	Ref
402550	7652009	Strand
403244	7637828	Minus
405452	7656638	Plus
		175792-176144
		93876-94275

401447	8574299	Minus	65053-65283	
405097	8072599	Plus	171191-171360	
400712	8118874	Plus	36087-36268	
403478	9958258	Plus	116458-116564	
5	405827	7109593	Plus	10279-10972
	405075	7770506	Minus	124680-125321
	406267	7526342	Minus	2570-2731
	402240	7680131	Plus	104382-104527,106135-106372
10	404811	3702428	Plus	26424-26596,28854-28987
	403589	8101229	Plus	5-330
	404088	9958257	Plus	184131-184295
	401897	8569218	Plus	604-767
	405453	7656675	Minus	83710-83980
15	402516	9798099	Minus	195342-195511
	406266	7528342	Minus	2365-2518
	404696	9800109	Minus	60037-60144,62675-63081
	403633	8076874	Plus	162922-163658
	406303	8575858	Plus	173622-173786
20	404240	5002624	Minus	116132-116407,116653-116922
	404056	3548785	Plus	75843-76980,77145-78283
	402736	9212044	Minus	68876-67010
	405545	1054740	Plus	118677-118807,119091-119296,121626-12182
	405441	7408124	Plus	100952-101283
	400660	8118752	Plus	110343-110684,120720-121013
25	404277	1834458	Minus	91565-91946
	404854	7143420	Plus	14260-14537

30 TABLE 36A: About 52 genes upregulated in non-specific interstitial pneumonitis relative to hypersensitivity pneumonitis or Idiopathic pulmonary fibrosis

	Pkey	ExAccn	UnigeneID	Unigene Title	R1	R2
	Pkey:	Unique Eos probeset identifier number				
	ExAccn:	Exemplar Accession number, Genbank accession number				
	UnigeneID:	Unigene number				
35	Unigene Title:	Unigene gene title				
	R1:	90th percentile of NSIP AIs divided by 90th percentile of HP AIs, where the minimum value for the numerator and denominator was set to 50.				
	R2:	90th percentile of NSIP AIs divided by 90th percentile of IPF AIs, where the minimum value for the numerator and denominator was set to 50.				
40						
	435140	AA668123	Hs.134170	ESTs	2.76	2.76
	429504	X89133	Hs.204238	lipocalin 2 (oncogene 24p3) (NGAL)	2.57	1.00
	435375	AI733610		ESTs	2.55	2.55
45	420813	X51501	Hs.99849	prolactin-induced protein	2.55	1.35
	425071	NM_013989	Hs.154424	deiodinase, iodothyronine, type II	2.52	0.73
	421296	NM_002688	Hs.103253	peripin	2.50	2.45
	419290	AI128114	Hs.112885	spinal cord-derived growth factor-B	2.43	1.79
	408882	H12084	Hs.31110	ESTs, Weakly similar to MAGE-B4 [H.sapiens]	2.42	1.77
50	437318	AW352939	Hs.120721	ESTs	2.36	1.61
	421823	N40850	Hs.28625	ESTs	2.29	0.66
	412228	AW503785	Hs.73792	complement component (3d/Epstein Barr vi	2.28	0.69
	430538	A1809163	Hs.9908	nitrogen fixation cluster-like	2.25	2.80
	414009	R67516		ESTs	2.19	1.86
55	446619	AU076643	Hs.313	secreted phosphoprotein 1 (osteopontin,	2.19	0.33
	430698	AW969847	Hs.292718	ESTs, Weakly similar to RET2_HUMAN RETIN	2.18	1.24
	413722	BE247354	Hs.16400	ESTs, Weakly similar to KIAA1435 protein	2.14	1.95
	438974	AW204429	Hs.155033	ESTs	2.13	1.72
	429809	AF002246	Hs.210863	cell adhesion molecule with homology to	2.12	0.91
60	414290	A1568081	Hs.71721	ESTs	2.11	0.81
	451678	AA374181	Hs.26799	DKFPZP564D0764 protein	2.11	1.01
	408785	AA588061		gb:mk10d03.1|NCI_CGAP_Co2 Homo sapiens	2.10	1.61
	449048	Z45051	Hs.22820	similar to S68401 (cattle) glucose induc	2.08	0.85
	444179	W35132	Hs.267442	ESTs	2.08	1.13
65	430223	NM_002514	Hs.235935	nephroblastoma overexpressed gene	2.05	0.80
	451099	R52795	Hs.25954	interleukin 13 receptor, alpha 2	2.04	0.79
	439134	AA830599		ESTs	2.04	1.89
	418512	AW490974		diacylglycerol kinase, zeta (104kD)	2.02	2.02
	457311	AI497811	Hs.172753	Homo sapiens chromosome 19, BAC 41195 (C	2.00	1.45
70	402274			C1900498::||4587179gb|AAD23607.1|AC00	1.88	2.24
	453222	AA033929	Hs.19156	ESTs	1.77	2.00
	447261	NM_006591	Hs.17917	extracellular link domain-containing 1	1.73	2.02
	427297	AW292593	Hs.334907	Homo sapiens, clone MGCC17333, mRNA, com	1.69	1.69
	406714	AI219304	Hs.266959	hemoglobin, gamma G	1.62	2.47
	410333	W92113		gb:zh48e01.r1 Soares_fetal_liver_spleen_	1.59	2.04
75	404090			Target_Exon	1.48	2.03
	444445	AA342329	Hs.115920	Homo sapiens cDNA: FLJ22816 fis, clone K	1.39	2.06
	414386	X00442	Hs.75990	haptoglobin	1.09	1.44
	439372	AF088033	Hs.159225	ESTs	1.05	2.13
80	432606	NM_002104	Hs.3066	granzyme K (serine protease, granzyme 3;	1.01	2.08
	412472	AW975398	Hs.293836	ESTs	1.00	2.26
	432894	AW167668	Hs.279772	brain specific protein	0.97	1.19
	422060	R20893	Hs.325823	ESTs, Moderately similar to ALU5_HUMAN A	0.96	2.05
	416971	R34657	Hs.80658	uncoupling protein 2 (mitochondrial, pro	0.95	1.08

424310	AA338648	Hs.50334	testes development-related NYO-SP22	0.93	1.47	
422109	S73265	Hs.1473	gastrin-releasing peptide	0.92	3.05	
420440	NM_002407	Hs.97644	mammaglobin 2	0.91	2.11	
418196	AI745649	Hs.26549	KIAA1708 protein	0.90	2.25	
5	418707	U97502	Hs.87497	butyrophilin, subfamily 3, member A2	0.89	1.11
419231	AL046294	Hs.136245	ESTs, weakly similar to T17227 hypothetical	0.85	1.74	
446608	NT5217	Hs.257846	ESTs	0.82	2.10	
418918	X07871	Hs.89476	CD2 antigen (p50), sheep red blood cell	0.73	1.32	
10	412610	X90908	Hs.74126	fatty acid binding protein 6, ileal (gas)	0.70	1.76

TABLE 36B:

Pkey:	Unique Eos probeset identifier number
CAT number:	Gene cluster number
Accession:	Genbank accession numbers
Pkey CAT Number Accession	
20	435375 130020_1 AI733610 AI049989 AA678769
	414009 438978_1 BE221268 R67515 AV730682 R67516
	406765 0_0 AA588061
	439134 2581476_1 AA830599 AA970659 AA883802
	418512 12225_6 BM046773 AA224297 T33786 T08951 T09274 T08592 T30936 AA350905
25	418333 73080_1 AF264624 AW668618 AV731446 R93353 AA5B4550 AV732728 BF802814 BF434359 AA077092 BI027317 AA199812 AW629027 AA831618 AI124782 AA765804 AA055698 AA677404 AA655368 AA889402 AA765530 BE503126 BE457367 AW139954 WB1697 AI0B7846 WB1695 AA447817 AA447667 F13631 BF055673 AW268271 AW088477 BF577839 AL601859 AW502118 AW502624 AA574189 BI020104

TABLE 36C:

Pkey:	Unique number corresponding to an Eos probeset			
Ref:	Sequence source. The 7 digit numbers in this column are Genbank identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) <i>Nature</i> 402:489-495.			
35	Strand:	Indicates DNA strand from which exons were predicted.		
	Nt_position:	Indicates nucleotide positions of predicted exons.		
40	Pkey	Ref	Strand	Nt_position
	402274	2935596	Plus	5604-6527
	404090	9967460	Minus	100815-100966

TABLE 37A: About 206 genes downregulated in lung fibrosis relative to normal lung

Pkey:	Unique Eos probeset identifier number				
ExAccn:	Exemplar Accession number, Genbank accession number				
UnigeneID:	Unigene number				
Unigene Title:	Unigene gene title				
R1:	90th percentile of normal lung AIs divided by the median of IPF AIs, where the minimum value for the numerator and denominator was set to 50.				
55	Pkey	ExAccn	UnigeneID	Unigene Title	R1
	454229	AW957744	Hs.278459	lacrimal protein rich protein	11.67
	432128	AA127221	Hs.296502	ESTs	9.85
	421218	NM_000499	Hs.72912	cytochrome P450, subfamily 1 (aromatic c	7.69
60	453310	X70697	Hs.553	solute carrier family 6 (neurotransmitter	7.32
	420958	AA309431	Hs.66	interleukin 1 receptor-like 1	7.13
	402608	AI219304	Hs.266959	Homo sapiens defensin, alpha 1, myeloid-	6.67
	405714	M34998	Hs.198253	hemoglobin, gamma G	5.40
	406673	M34998	Hs.198253	major histocompatibility complex, class	5.22
65	416639	Y07909	Hs.79368	epithelial membrane protein 1	5.04
	418021	M15981	Hs.1137	uromodulin (uro mucoid, Tamm-Horsfall gly	4.77
	409385	AA071267		gb:zmbf1g01.r1 Strategene fibroblast (937	4.74
	450847	NM_003155	Hs.25590	stanniocalcin 1	4.46
	404518			CD83 antigen (activated B lymphocytes, i	4.36
70	413951	AW051200	Hs.75640	neurotropic peptide precursor A	4.32
	407570	Z19002	Hs.37095	zinc finger protein 145 (Kruppel-like, e	4.25
	456525	AW468397	Hs.100000	S100 calcium-binding protein A8 (calgran	4.23
	429509	AW614420	Hs.204354	ras homolog gene family, member B	4.14
	445769	AI741471	Hs.23656	ESTs	4.10
75	414002	NM_006732	Hs.75678	FBX murine osteosarcoma viral oncogene h	4.05
	426571	AJ007292	Hs.153306	ephrin-A2	3.92
	423168	R34385	Hs.124940	GTP-binding protein	3.80
	401234			mitogen-activated protein kinase B inter	3.78
	402181			Target Exon	3.77
80	403479			NM_007064:Homo sapiens serine/threonine	3.68
	435424	AW083683	Hs.37896	Homo sapiens cDNA FLJ13510 f1, clone PL	3.68
	402911			NM_021158:Homo sapiens protein kinase d	3.66
	442195	NM_001430		endothelial PAS domain protein 1	3.65
	400089			Eos Control	3.60

	413948	C05145	Hs.75636	myosin light chain 2a	3.66
	438564	AA381553	Hs.198253	major histocompatibility complex, class	3.54
	413956	AI821351	Hs.193133	ESTs, Weakly similar to ALU7_HUMAN ALU S	3.54
	431319	AA873350	Hs.302232	ESTs	3.52
5	434292	AF124368	Hs.306551	Homo sapiens IMAGE Consortium ID 839832, NM_02675;Homo sapiens promyelocytic leu	3.48
	401540			gb:EST92386 Skin tumor; Homo sapiens cD	3.45
	426477	AA379464	Hs.154073	Target Exon	3.43
	402328			Target Exon	3.42
10	401590			Target Exon	3.42
	403645			NM_024513;Homo sapiens FYVE and coiled-	3.37
	403376			Target Exon	3.36
	447966	AA340605	Hs.105887	ESTs, Weakly similar to Homolog of rat Z-	3.35
	417695	BE241624	Hs.82401	CD69 antigen (p60, early T-cell activati	3.28
15	413719	BE439580	Hs.75498	small inducible cytokine subfamily A (Cy	3.27
	401126			NM_006856;Homo sapiens activating trans	3.27
	408243	Y00787	Hs.624	interleukin 8	3.23
	412429	AV650262	Hs.75765	GRO2 oncogene	3.22
	426420	BE3B3808	Hs.322430	NDRG family, member 4	3.21
20	449338	H73444	Hs.394	adrenomedullin	3.19
	401904			Target Exon	3.16
	401919			NM_012448;Homo sapiens signal transduce	3.14
	406443			ENSP00000236574;Hypothetical 21.8 kDa p	3.14
	458232	BE217872	Hs.279537	ESTs	3.12
25	406016			Target Exon	3.12
	450912	AW939251	Hs.25647	v-ros FBJ murine osteosarcoma viral onco	3.11
	451831	NM_001674	Hs.460	activating transcription factor 3	3.08
	450562	AW136468	Hs.202199	ESTs	3.07
	405938			Target Exon	3.04
30	451029	AA852097	Hs.25829	ras-related protein	3.02
	421201	AW241940	Hs.102500	hypothetical protein FLJ20481	2.98
	439839	AA889354		ESTs	2.98
	439891	AL389940	Hs.109968	ESTs	2.96
	418935	T28499	Hs.89485	carbonic anhydrase IV	2.95
35	418853	NM_005236	Hs.89295	excision repair cross-complementing rade	2.95
	429113	D28235	Hs.196384	prostaglandin-endoperoxide synthase 2 (p	2.94
	410326	AI368909	Hs.47650	ESTs	2.88
	407244	M10014		fibrinogen, gamma polypeptide	2.85
	459721	AI299050	Hs.143835	gb:gnl14d12x1 NCI_CGAP_Lu5 Homo sapiens	2.84
40	416212	R40290	Hs.124685	ESTs	2.84
	428568	AA431801	Hs.98764	ESTs, Weakly similar to A29B61 actin gam	2.83
	437508	AI204354	Hs.121347	ESTs	2.82
	437990	AI686579	Hs.121784	ESTs	2.82
	443709	AI082692	Hs.134662	ESTs	2.81
45	423099	NM_002837	Hs.123641	protein tyrosine phosphatase, receptor t	2.80
	416188	BE157260	Hs.79070	v-myc avian myelocytomatis viral oncog	2.79
	404231			Target Exon	2.78
	434305	AI018280	Hs.130189	ESTs	2.77
	445493	AI915771		metallothionein 1E (functional)	2.76
50	418058	AA524886		gb:gnl34f02s1 NCI_CGAP_Pt3 Homo sapiens	2.76
	404102			Target Exon	2.75
	440206	AI762232	Hs.46794	ESTs	2.75
	403031			cathepsin D (lysosomal aspartyl protease	2.75
	419164	BE068494		gb:MR1-BTU371-050500-009-a12 BTU371 Homo	2.74
55	459330	C16931		gb:C16931 Clontech human aorta polyA mRN	2.74
	456967	AW004056	Hs.168357	T-box 2	2.74
	427602	AI375259	Hs.98005	ESTs	2.74
	431357	Z20964	Hs.323817	DKFZP547E1010 protein	2.72
	408059			Target Exon	2.71
60	420575	BE263301	Hs.99029	CCAAT/enhancer binding protein (C/EBP),	2.71
	457275	AA463422	Hs.209431	ESTs	2.71
	432559	AW452948	Hs.257631	ESTs	2.71
	402483			NM_020389;Homo sapiens putative capacita	2.70
	416089	R37101	Hs.20982	ESTs	2.70
65	445445	AF238870	Hs.275708	Homo sapiens clone GLSH-3 similar to gII	2.69
	436232	AA707006	Hs.167863	ESTs	2.68
	418773	T39748	Hs.325474	Target CAT	2.67
	434038	AA622104		ESTs	2.67
	405448			Homo sapiens mRNA; cDNA DKFZp58612022 (f	2.66
	404439			ENSP000D00067222;Mitochondrial 2BS ribos	2.65
70	435724	N39308	Hs.117898	ESTs	2.65
	404026			Target Exon	2.65
	400881			NM_025080;Homo sapiens hypothetical prot	2.64
	430314	AA369601	Hs.239138	pre-B-cell colony-enhancing factor	2.62
75	405429			Target Exon	2.62
	402642			C1002298;gII577817[ref]NP_033126.1] rep	2.61
	438575	BE304709	Hs.146550	myosin, heavy polypeptide 9, non-muscle	2.61
	449293	AA001088	Hs.29739	ESTs, Weakly similar to C3423 GTP-bind	2.61
	418157	NM_003243	Hs.342874	transforming growth factor, beta recepto	2.60
	446122	AI362790	Hs.278639	KIAA1684 protein; likely homolog of mous	2.59
80	433291	AF007191		gb:Homo sapiens SIB 276 intestinal muco	2.59
	426795	AI810474	Hs.196945	ESTs	2.58
	423503	M92843	Hs.343585	zinc finger protein homologous to Zfp-36	2.58
	430768	AB030207	Hs.247888	guanine nucleotide binding protein 13, g	2.58

423387	AJ012074		vasoactive intestinal peptide receptor 1	2.57	
442681	AI809182	Hs.130907	ESTs	2.57	
408652	R43409	Hs.5829	Homo sapiens mRNA for KIAA1644 protein, C1901682*;gi|6753872|ref|NP_034345.1|	2.56	
5	402217		dual specificity phosphatase 6	2.56	
	427700	AA262294	Hs.180383	gb|R3C3-BT0319-100100-012-d12 BT0319 Homo	2.56
	455674	BE065941		ESTs, Moderately similar to A26641 Na7ex	2.56
	457831	AA706937	Hs.120802	v-rel avian relucendotheliosis viral	2.56
10	454219	X75042	Hs.44313	x 001 protein	2.55
	458648	AW444551	Hs.35380	RNA cyclase homolog	2.54
	456663	BE251104	Hs.113052	ESTs	2.54
	440178	AW502463	Hs.196521	capping protein (actin filament) muscle	2.53
	457139	AI557280	Hs.184270	Target Exon	2.52
	405857		early growth response 1	2.51	
15	410204	AJ243425	Hs.326035	ESTs	2.50
	412851	AI826502	Hs.97289	interleukin 6 (interferon, beta 2)	2.49
	419968	X04430	Hs.93913	ESTs	2.49
	409209	AA460160	Hs.73217	ESTs	2.49
20	447173	AW449385	Hs.157294	ESTs	2.49
	440034	A1908639	Hs.246781	ESTs	2.44
	418169	R85350	Hs.101368	ESTs	2.43
	417228	AW993524	Hs.43148	epithelial membrane protein 1	2.43
	406305		transcriptional adaptor 3 (ADA3, yeast h	2.42	
	427886	AA417083	Hs.104789	ESTs	2.42
	436409	AJ238992	Hs.183658	VNN3 protein	2.42
25	413861	BE175424		gb|RC4-HT0578-170300-012-d01 HT0578 Homo	2.40
	403605		C3000142*;gi|4503015|ref|NP_003900.1| co	2.37	
	402594		C1002603*;gi|9887091|gb|AAG01738.1|AF248	2.37	
	402803		NM_001397|Homo sapiens endothelin conver	2.37	
30	428336	AA503115	Hs.183752	microsemicoprotein, beta-	2.36
	458568	AI769067	Hs.127824	ESTs, Weakly similar to T28770 hypothesis	2.36
	442630	AW572938	Hs.130580	ESTs	2.35
	409368	AA071059		gb|zrn86a10.1|Stratagene neuroepithelium	2.33
	405156		NM_003213*|Homo sapiens TEA domain famil	2.31	
35	448162	AL039531	Hs.323363	hypothetical protein FLJ22169	2.31
	403591		Target Exon	2.31	
	406193		Target Exon	2.30	
	420813	X51501	Hs.99949	prolactin-induced protein	2.30
	442341	AU076728	Hs.8867	cysteine-rich, angiogenic inducer, 61	2.28
40	400703		C1001794*;gi|10945612|ref|NP_057286.1|	2.27	
	415026	AA159356	Hs.72308	ESTs	2.25
	400334	Y19187		Homo sapiens dmd gene, Intron 11	2.18
	445878	AI262974	Hs.145587	ESTs	2.18
	404975		uncharacterized hypothalamus protein HTO	2.18	
45	436370	R01220	Hs.186679	ESTs	2.17
	400513		Target Exon	2.16	
	424008	R02740	Hs.137555	putative chemokine receptor; GTP-binding	2.15
	415405	RS9141		gb|y9d11.1|Soares infant brain 1N1B H	2.15
	407612	U26403	Hs.37142	ephrin-A5	2.12
50	409837	AW501504		gb|U-HF-BP0p-ajd-h-04-0-Ul.r1 NIH_MGC_5	2.08
	458637	AV657446		gb|AV657446 GLC Homo sapiens cDNA clone	2.07
	449125	AI671439	Hs.196029	Homo sapiens mRNA for KIAA1657 protein,	2.00
	416922	AW956580	Hs.42699	ESTs	1.98
	402404		NM_024967*|Homo sapiens hypothetical pro	1.98	
55	421993	R22497	Hs.110571	growth arrest and DNA-damage-inducible,	1.98
	413731	BE243845	Hs.75511	connective tissue growth factor	1.96
	456855	AF035528	Hs.153863	MAD (mothers against decapentaplegic, Dr	1.96
	428193	NM_004235		Kruppel-like factor 4 (glu)	1.93
	422166	W72424	Hs.112405	S100 calcium-binding protein A9 (calgran	1.92
60	439463	BE284974	Hs.6566	thyroid hormone receptor interactor 13	1.92
	433883	AI925688	Hs.222312	ESTs	1.91
	406584		msh (Drosophila) homeo box homolog 2	1.91	
	403581		Target Exon	1.90	
	403716		Target Exon	1.90	
	404758		Target Exon	1.90	
65	439500	W73158	Hs.170434	Homo sapiens cDNA FLJ14242 f1s, clone OV	1.89
	448793	AI864581		ESTs	1.84
	435857	AF253468	Hs.3736	delta-like 4 homolog (Drosophila)	1.83
	426653	AA530892	Hs.171695	dual specificity phosphatase 1	1.82
70	402051		Target Exon	1.81	
	409869	AW501926		gb|U-HF-BR0p-sjp-f-08-0-Ul.r1 NIH_MGC_5	1.78
	417957	BE244373	Hs.1119	nuclear receptor subfamily 4, group A, m	1.78
	405053		Target Exon	1.78	
	405163		C5000561*;gi|7513700|p1r|T14151 Inv pro	1.76	
	402386		Target Exon	1.73	
75	406755	N80129	Hs.199263	metallothionein 1L	1.73
	408811	AW500896		gb|U-HF-BP0p-akr-a-03-0-Ul.r1 NIH_MGC_5	1.70
	454034	NM_000691	Hs.575	aldehyde dehydrogenase 3 family, member	1.70
	404089		Target Exon	1.70	
80	428704	AA432007	Hs.192090	ESTs	1.69
	429307	AU076592	Hs.198951	Jun B proto-oncogene	1.67
	400116		Eos Control	1.65	
	404795		Target Exon	1.65	
	408053	AW139474	Hs.246862	ESTs	1.65

414580	BE386918		gb:601275385F1 NIH_MGC_20 Homo sapiens c	1.63
428800	M57627	Hs.193717	Interleukin 10	1.63
451876	R84770	Hs.33538	ESTs, weakly similar to oxygen-regulated	1.62
402394			Target_Exon	1.61
5	404818		Target_Exon	1.60
	436364	X06096	gb:Human macrophage alpha1-antitrypsin c	1.55
	420369	U96769	chondroadherin	1.54
	405590		CX001497*:gi|4557543[ref|NP_001384.1] ex	1.54
10	402448		Target_Exon	1.53
	433495	AW373784	alpha-2-glycoprotein 1, zinc	1.51
	409020	AA062549	rebindin	1.51
	405443		Target_Exon	1.12

TABLE 37B:

15	Pkey:	Unique Eos probeset identifier number		
	CAT number:	Gene cluster number		
	Accession:	Genbank accession numbers		
20	Pkey	CAT Number	Accession	
	409385	110758_1	T65940 T645155 AA071267 AA071334	
	442195	15007_1	U81984 NM_001430 BE907085 BI333232 AI021986 AU138476 C18601 U51626 AU100517 BJ054387 AU076970 BE786454 BG010080 AW377189	
25			BF98789 BI05139 R11395 T836132 BG001632 BI012404 BG001643 BF757957 AL549361 AL544018 BE002870 BE929314 BE090199 AL046650	
	439839	2594580_1	BI053717 BE929315 BI054967 BF960055 BF925432 R05421 BF922073 T70331 BI004403	
	445493	423456_1	AI023587 AA889354 AA846791	
	418058	286199_1	AV711317 AI089938 AI087876 AI240593 AI915771	
30		413164	AW971347 AA524898 AA211537 BF903005 BF37120	
			BE068758 BE0687745 BE068689 BE068778 BE068529 BE068683 BE068445 BE068392 BE068719 BE068473 BE068521 BE068628 BE068422	
			BE068618 BE068354 BE068390 BE068414 BE068433 BE068389 BE068384 BE068661 BE068324 BE068301 BE068436 BE068754 BE068329	
			BE068672 BE068494 BE068596 BE068332 BE068347 BE068588 BE068340 BE068493 BE068740 BE068685 BE068759 BE068307 BE068429	
			BE068303 BE068893 BE068374 BE068295 BE068525 BE068302 BE068563 BE068675 BE068579 BE068311 BE068574 BE068547 BE068602	
			BE068605 BE068532 BE068306 BE068401 BE068537 BE068552 BE068450 BE068723 BE068393 BE068571 BE068748 BE068317 BE068447	
35			BE068568 BE068532 BE068357 BE068330 BE068498 BE068591 BE068540 BE068401 BE068522 BE068576 BE068499	
			BE068361 BE068598 BE068350 BE068299 BE068580 BE068567 BE068562 BE0685321 BE068327 BE068739 BE068526 BE068338 BE068765	
			BE068340 BE068733 BE068293 BE068565 BE068480 BE068476 BE068761 BE068712 BE068706 BE068549 BE068419 BE068383 BE068434	
			BE068418 BE068525 BE068543 BE068522 BE068550 BE068623 BE068470	
40	459330	105725_1	BG553152 BF846777 BF849354 BF849359 BF848638 BF849201 BF849358 C16931 AA058717 AW864542 AW882724 AA056667	
	434038	630986_1	AI910738 AW139227 AA932891 AA622104	
	433291	73706_1	AF007191 AW820706 BG976534 BE872226	
	423387	2812_2	L13298 AA928785 AI608912 AW872978 AA565655 AI022915 AI304920 AI564366 AI668793 AI094557 T60038 R72302 H45409 AA508805 R46356	
			AA418798 BM129553 BM129126 BM129292 BM128865 AI080418 AI689392 AI085573 BF431808 AW872985 AW165269 H73241 T16182 AI284547	
			R73991 R72085 R72840 T83751 X75299 BF754348 R94105 AW449839 R73300 NM_004624 AI797007 BE045643 BF110021 BF754250 T83923	
45	455874	1490782_1	AW884084 AA503896 BE0418962 L20295 R72351 H45409 AA961010 R73210 R46451 AW884085 BI022902 BI763932 BI910138	
	413861	1561647_1	BE065941 BE065997 BE066003 BE066070 BE068098	
	409368	1105162_1	BF352282 BE175424 BE175383	
	415405	1872126_1	AA071059 AA085201 AA085020	
	409837	915521_1	W18191 R59141 R54142 R12130 F11362 Z42794 F08242 F07925 H21084 R54090 R59142	
50	456637	395206_1	AW50104 AW501658 AW503048 AW502449 AW502098	
	428193	430_1	AV65752 BE0657448	
			AF105036 U70663 NM_004235 AF022184 AU141767 AU141110 AL040569 D44830 BI011351 AL575805 AI290876 AI014784 AI393429 AI256211	
			AW074303 AA620711 BF197792 AW008788 D25944 AI687397 AA621680 AW714406 BF446905 BM314505 BF514079 BM314197 AA845201	
			AW874084 BE720622 R727241 AA236239 AI579709 AI579135 AI572470 AA573434 AI568497 BE049325 AA687950 BG925989 AI338031	
			AI365073 AI024576 AA298805 H0401 H45688 BEG682146 AL552388 BI462381 BG547513 BG968663 BI256561	
55	448793	3006936_1	AI936948 AI864581 AI570641	
	409859	916430_1	AW501926 AW502566 AW501927	
	409811	58948_2	AK057581 AW500862 AW500896 AW501106	
	400116	5268_1	D42041 NM_014810 AJ000332 BI756702 BG720650 AU141129 AU130711 AU141380 AU132402 BM048556 AU127620 BE259984 AU128952	
60			BE161451 AL601516 BM146777 AI28103 BM194094 BE937951 BE969396 AK026597 BF969293 BE798100 BI068681 BG166248	
			BE077845 BG386414 AW886747 BF093789 AW390159 BF820311 AA421678 AW860845 AW404827 BF720485 BE161190 BE254102 AW406002	
			BE181223 AI912056 BF930228 AW374357 AW794531 BE720524 BE933982 BE933851 BE933694 BE933978 BE933654 BE933583 BE166557	
			BE933874 BE933641 BE933859 BE933626 BE933866 BE933633 BE933884 BE933631 BE933867 BE933634 BE933857 BE933624 BE933883	
			BE933650 BE20491 BE720410 BF720410 BE20458 BE720444 BE720411 AW368749 BF874816 BE933498 BE835973 BF926887 AW849921	
65			AW860026 AW850022 AW849977 AW849890 BG250251 W787689 AI192825 AI692824 AA426263 AI090315 AI090537 AA877437 AA478438	
			AI538688 AW276162 AI279915 AA603018 AI188836 AW662284 AI262619 AA293457 BF347442 AA421677 AA656803 AA565510 AA937080	
			AI426844 AI426826 AI52614 AI342784 AI187388 AI189844 AI18104 AI159878 AI160087 R21754 AA015332 H67274	
			AI142684 AI426826 AI52614 AI342784 AI187388 AI189844 AI18104 AI159878 AI160087 R21754 AA015332 H67274	
			AI249778 UA46372 AA383858 AI140356 BG821891 BF835049 BI780656 BI054103 BF982309 BE872215 BI257291 AU158469 AU160599	
			AI152469 AU152375 AU152059 AU148575 N32267 AU149554 AI627459 AI719840 AW778017 AI291483 AW304181 AW470055 AI086491	
70			AI311387 AI634232 AI151241 AI286048 AW505880 AI241353 AI880219 AA039309 AA026517 AA016238 AA013444 H86822 R75730	
			AA0568462 N27082 Z396729 BE543409 W526190 BE18076 AI183888 AW189077 AI418104 AI159878 AI160087 R21754 AA015332 H67274	
			AIU163097 AI961344 AA018208 W32429 R45344 BM470129 AU130415 BI227374 BE298179 AW844963 AW844983 AI904066 AA379006	
			BF850571 AA355641 BG747156 AL547262 AW357941 BE560004 BI116061 BG899031 BE560318 BE174177 BI051456 BE001967 BE386446	
			BF969326 BF808765 BF684480 BG421617 AI940607 AW875483 BE789632 BF808711 BI192691 AW904249 BI911490 BE265407 BE730343	
75	414580	623093_1	BE333973 BE385437 BE408833 BE387650	
	436364	1414_37	X05626 X06095 BG468890 AW951851 W23562 T20392 H56742 H568030 T69205	

TABLE 37C:

80	Pkey:	Unique number corresponding to an Eos probeset
	Ref:	Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) <i>Nature</i> 402:489-495.
	Strand:	Indicates DNA strand from which exons were predicted.

Nt_position: Indicates nucleotide positions of predicted exons.

Pkey	Ref	Strand	Nt_position
5	402608	Plus	37495-37669
	404518	Plus	84494-84503
	401234	Plus	120173-120337
	402181	Plus	449746-450040
	403478	Minus	148369-148533,150578-150809
10	402911	Plus	7263804
	401540	Plus	142689-142979
	402328	Minus	13758-13922,14558-14752
	401590	Minus	33547-33649
15	403645	Minus	8697914
	403376	Minus	9369545
	401126	Minus	108698-108830
	401904	Plus	686290-69487
	401919	Plus	60959-51603,62670-62890,63778-63838
20	406443	Plus	67536-67666
	406016	Plus	9280765
	405938	Plus	8272661
	404231	Minus	65578-66119
	404102	Minus	166671-167411
	403031	Minus	8218035
	404026	Plus	7229900
	403305	Plus	97685-98018
25	406059	Minus	7768597
	402483	Minus	9103984
	405448	Minus	1308-1416
	404439	Plus	65577-51723
	404026	Plus	7582529
30	400881	Minus	7139680
	405429	Plus	13866-14004
	402642	Minus	65578-66119
	402217	Minus	125599-125756
	405857	Plus	9795981
35	405305	Plus	21521-21757
	403605	Plus	6758728
	402594	Plus	86656-86819
	402803	Minus	108239-108386,112216-112378,115388-11557
40	405156	Plus	9966228
	403591	Plus	146733-146860,147899-147961,153127-15325
	406193	Plus	8101229
	400703	Plus	4201-4833
	404975	Plus	7289992
	405613	Plus	30183-30662
	402404	Plus	8116859
	406554	Plus	63657-63857,64802-64905
45	403581	Plus	3419864
	403716	Plus	51577-51723
	404758	Plus	9796593
	4066267	Plus	26664-26819
	402051	Minus	7711604
	405053	Plus	51614-91718
	405163	Plus	63657-63857,64802-64905
	402386	Plus	103082-103414
50	404089	Plus	59923-56033
	404759	Plus	147899-147961
	402051	Plus	153127-15325
	405053	Plus	8666267
	405163	Plus	74613-74823
	406554	Plus	53154-53280
	403581	Plus	52788-53013
	403716	Plus	6794-7396
	404758	Plus	86899-87122
	402051	Minus	7705327
	405053	Plus	130204-130806
	405163	Plus	19346-19480,20041-20118
	402386	Plus	111047-111668
	404089	Plus	161171-161299
55	404759	Plus	9799769
	402051	Plus	22069-22303
	404818	Plus	131475-131652
	402394	Plus	4826439
	404818	Plus	147501-147780
	405680	Plus	9929690
	402448	Plus	33308-33482
60	405443	Plus	2769655
	404818	Plus	33671-33839
	405680	Plus	90492-90818
	402448	Plus	112942-113069,114303-114521
	405443	Plus	90718-90887,101420-101577

65 TABLE 38A: About 207 genes upregulated in lung fibrosis relative to normal tissues

Pkey	ExAccn	UnigeneID	Unigene Title	R1
75	437275	AW076035	Hs.292396 ESTs, Weakly similar to A47582 B-cell gr	4.28
	407891	AA486620	Hs.41135 endoplasmic-2	4.14
	414020	NM_002984	Hs.75703 small inducible cytokine A4 (homologous	4.07
	410219	T98226	Hs.171952 occludin	3.96
	434666	AF151103	Hs.112259 T cell receptor gamma locus	3.88
	425008	X58288	Hs.154151 protein tyrosine phosphatase, receptor t	3.87
	406517		Target_Exon	3.76
	420568	F09247	Hs.247735 protocadherin alpha 10	3.70
	425973	NM_013390	Hs.160417 transmembrane protein 2	3.69

438797	C16161	Hs.283040	hypothetical protein PRO2543	3.68	
410315	AI638871	Hs.152519	Homo sapiens cDNA: FLJ22524 fts, clone H	3.65	
446714	W73818	Hs.110028	ESTs	3.64	
412326	R07566	Hs.73817	small inducible cytokine A3 (homologous	3.61	
5	BE550182	Hs.127826	RalGEF-like protein 3, mouse homolog	3.58	
430259	NM_014767	Hs.74583	KIAA0275 gene product	3.55	
412790	W78816	Hs.49943	ESTs, Weakly similar to S65657 alpha-1C-	3.55	
424338	AU093480		hypothetical protein FLJ11896	3.55	
412654	X00442	Hs.75990	haptoglobin	3.54	
10	451035	AU076785	plastin 1 (f isoform)	3.52	
436473	AI193122	Hs.132275	ESTs	3.51	
406714	AI219304	Hs.266959	hemoglobin, gamma G	3.46	
414586	AA306160	Hs.16488	lymphocyte cytosolic protein 1 (L-plasti	3.45	
427274	NM_005211	Hs.174142	colony stimulating factor 1 receptor, fo	3.45	
15	427527	AJ809057	immunoglobulin heavy constant mu	3.39	
452813	US4727	Hs.191445	ESTs	3.36	
442831	AJ798969	Hs.131686	ESTs	3.35	
427774	AA278583	Hs.180737	Homo sapiens clone 23664 and 23905 mRNA	3.34	
20	445330	R52655	ESTs	3.31	
436001	AW903849	Hs.173840	HUEL (C4orf1)-interacting protein	3.31	
431681	AK000378	Hs.267566	hypothetical protein FLJ20371	3.29	
432314	AA533447	Hs.312989	ESTs	3.28	
435129	AI381659	Hs.267086	ESTs	3.28	
407151	H25836	Hs.301527	ESTs, Moderately similar to unknown [H.s	3.24	
25	422607	Z45471	stromal cell-derived factor 2	3.21	
421205	AL137540	Hs.102541	netrin 4	3.20	
428582	BE336699	Hs.185055	BENE protein	3.20	
423582	BE000831	Hs.23837	Homo sapiens cDNA: FLJ11812 fts, clone HE	3.19	
30	424880	NM_000328	retinitis pigmentosa GTPase regulator	3.17	
421233	AA209534	Hs.284243	tetraspan NET-6 protein	3.17	
429350	AI754634	Hs.131987	ESTs	3.16	
428727	AF078847	Hs.191358	general transcription factor IIH, polype	3.16	
434850	Z43161	Hs.283714	30 kDa protein	3.13	
35	414602	AW630088	Hs.76550	Homo sapiens mRNA; cDNA DKFZp564B1264 (f	3.12
446506	A1123118	Hs.151519	chemokine-like factor, alternatively spliced	3.11	
416114	AI695549	Hs.163868	glucuronidase, beta	3.10	
435969	AF255910	Hs.54650	junctional adhesion molecule 2	3.09	
444212	AW503976	Hs.10649	basement membrane-induced gene	3.08	
422442	AA324998	Hs.147086	signal transducer and activator of trans	3.08	
40	442870	N45018	hypothetical protein DKFZp761J17121	3.08	
424456	AA341017	Hs.25549	hypothetical protein FLJ20898	3.07	
429573	AA884407	Hs.211595	protein tyrosine phosphatase, non-recept	3.07	
445107	AI208121	Hs.147313	ESTs, Weakly similar to J38022 hypothetical	3.06	
436828	AL134275	Hs.6434	hypothetical protein DKFZp761F2014	3.04	
45	428106	BE620016	PTD010 protein	3.04	
428403	AI393048	Hs.326159	leucine rich repeat (in FlII) intercalin	3.04	
431830	Y16645	Hs.271387	small inducible cytokine subfamily A (Cy	3.03	
417512	X76534	Hs.822226	glycoprotein (transmembrane) nmb	3.02	
50	423067	AA321355	colony stimulating factor 2 receptor, be	3.01	
437457	AA757900	Hs.270823	ESTs, Weakly similar to S65657 alpha-1C-	2.96	
415000	AW025529	Hs.239812	Homo sapiens serologically defined breast	2.96	
437145	AF007216	Hs.5462	solute carrier family 4, sodium bicarbon	2.96	
418838	AW386224	Hs.35198	ectonucleotide pyrophosphatase/phosphodi	2.96	
55	419660	BE280337	solute carrier family 7 (cationic amino	2.96	
409966	AW103364	Hs.727	inhibin, beta A (activin A, activin AB a	2.95	
414493	AL133921	Hs.76272	retinoblastoma-binding protein 2	2.94	
416883	AW140128	Hs.184902	ESTs	2.92	
417875	AI808607	Hs.3781	similar to murine leucine-rich repeat pr	2.92	
60	418318	U47732	transmembrane 4 superfamily member 3	2.92	
432841	M93425	Hs.82	protein tyrosine phosphatase, non-recept	2.92	
429840	U83508	Hs.2463	angiotropin 1	2.91	
449843	R85337	Hs.24030	solute carrier family 31 (copper transpo	2.91	
401958			Target Exon	2.90	
65	416925	H03109	HT018 protein	2.90	
433691	AA605012		ESTs	2.88	
441892	AB028981	Hs.8021	KIAA1058 protein	2.87	
439453	BE264974	Hs.6556	thyroid hormone receptor interactor 13	2.87	
417165	R80137	Hs.302738	Homo sapiens cDNA: FLJ21425 fts, clone C	2.87	
70	414281	A1285619	G protein-coupled receptor 86	2.87	
417698	BE241624	Hs.82401	CD69 antigen (p80, early T-cell activati	2.87	
435913	W95006	Hs.269559	ESTs, Weakly similar to S65657 alpha-1C-	2.86	
422050	AA302741	Hs.25786	ESTs, Moderately similar to JC9238 gefac	2.85	
451366	AA748418	Hs.164577	ESTs	2.85	
75	442085	AA975688	Hs.159955	ESTs	2.84
427704	AW971053	Hs.292882	ESTs	2.83	
427247	AW504221	Hs.174103	integrin, alpha L (antigen CD11A (p180),	2.83	
441965	AA972712	Hs.269737	ESTs	2.82	
430268	AK000737	Hs.237480	hypothetical protein FLJ20730	2.82	
450056	BE047394	Hs.8208	ESTs, Weakly similar to S71512 hypoth	2.80	
80	407245	X90568	ESTs	2.80	
418941	AA452970	Hs.239527	E1B-55kDa-associated protein 5	2.80	
446601	AI312783	Hs.155772	Homo sapiens thymic stromal co-transport	2.80	
	432195	AJ243669	Hs.8127	KIAA0144 gene product	2.80

449088	AI654048	Hs.196556	ESTs	2.80	
416511	NM_006762	Hs.79356	Lysosomal-associated multispanning membr	2.80	
406648	AA563730	Hs.277477	major histocompatibility complex, class	2.79	
412116	AW402166	Hs.784	Epstein-Barr virus induced gene 2 (lymph	2.78	
5	433793	AW1975959	Hs.107513	ESTs, Moderately similar to KIAA1038 pro	2.78
	440255	AI932285	Hs.160569	ESTs	2.78
	410057	R66634	Hs.268107	multimerin	2.77
	417497	AW402462	Hs.82212	CD53 antigen	2.77
10	446733	AA863360	Hs.26040	ESTs, Weakly similar to fatty acid omega	2.76
	431884	AA521246	Hs.210792	ESTs, Weakly similar to ALU8_HUMAN ALU S	2.75
	409959	AW514658	Hs.194258	ESTs, Moderately similar to ALU5_HUMAN A	2.75
	436729	BE621807		transmembrane 4 superfamily member 1	2.75
15	431451	AA761378	Hs.192013	ESTs	2.74
	431517	N76712	Hs.44829	ESTs, Weakly similar to I38022 hypothet	2.74
	447818	WT9940	Hs.21906	Homo sapiens clone 24670 mRNA sequence	2.74
	418818	AA228899	Hs.101307	Homo sapiens HUT11 protein mRNA, partial	2.74
	424673	AA345051	Hs.294092	ESTs, Weakly similar to I38022 hypothet	2.74
	443194	AI954968		matr3: Gia protein	2.71
20	443804	AL136352	Hs.255883	ESTs, Weakly similar to I38022 hypothet	2.71
	452870	AW502761	Hs.30909	KIAA0430 gene product	2.70
	430334	AI824719	Hs.143251	ESTs	2.70
	437187	AL08208	Hs.306325	Homo sapiens mRNA; cDNA DKFZp586C1523 (f	2.70
	432279	N95104	Hs.274260	ATP-binding cassette, sub-family C (CFTR	2.70
25	413950	AA249096	Hs.32793	ESTs	2.70
	430016	NM_004736	Hs.227656	xenotropic and polytropic retrovirus rec	2.70
	431710	AI735482		ESTs	2.70
	448749	AW859879	Hs.21902	Homo sapiens clone 25237 mRNA sequence	2.69
	451154	AA015879	Hs.33536	ESTs	2.69
30	424541	AW392551	Hs.180559	ESTs, Weakly similar to A55194 thromboxa	2.69
	446899	NM_005397	Hs.16426	podocalyxin-like	2.68
	418031	AA648744	Hs.269493	ESTs	2.68
	453802	BE502341	Hs.3402	ESTs	2.68
	405121			milogen-activated protein kinase B inter	2.68
35	410163	AF151977	Hs.59260	NTT5 protein	2.67
	429632	AW195336	Hs.148910	ESTs	2.67
	437191	NM_006846	Hs.331555	serine protease inhibitor, Kazal type, 5	2.67
	455004	AW850308		gb:IL3-CT0219-191199-030-F09 CT0219 Homo	2.67
	444933	NM_016245	Hs.12150	retinal short-chain dehydrogenase/reduct	2.67
	401113			solute carrier family 22 (organic cation	2.66
40	419462	AF071076	Hs.112255	nucleoporin 98KD	2.66
	407635	AW370213	Hs.295232	ESTs, Moderately similar to A46010 X-In	2.66
	419175	AW270037		KIAA0779 protein	2.66
	408988	AL119844	Hs.49476	Homo sapiens clone TUAB Cri-du-chat regi	2.66
	452721	AJ269529	Hs.301871	solute carrier family 37 (glycerol-3-pho	2.66
45	430592	AJ224864	Hs.9688	leukocyte membrane antigen (LRC1)	2.65
	446830	BE179030		Human DNA sequence from clone RP5-1174N9	2.64
	433327	AI674779	Hs.126744	ESTs	2.64
	424868	AI568170	Hs.95886	ESTs	2.64
	429854	R55608	Hs.99472	ESTs	2.63
50	427080	AW066287	Hs.301175	ras-related C3 botulinum toxin substrate	2.63
	456711	AA033699	Hs.83938	ESTs, Moderately similar to MAS2_HUMAN M	2.63
	419777	D60134	Hs.270975	ESTs	2.63
	414577	AI056548	Hs.72116	hypothetical protein FLJ20992 similar to	2.62
55	427598	AA449506	Hs.270143	extracellular glycoprotein EMILIN-2 prec	2.62
	452445	AB002438	Hs.28969	Homo sapiens mRNA from chromosome 5q21-2	2.62
	447482	AB033059	Hs.18705	KIAA1233 protein	2.62
	419110	AA234171	Hs.187626	ESTs	2.62
	450353	AI244661	Hs.103296	ESTs, Weakly similar to S65657 alpha-1C-	2.62
60	419828	TB1422	Hs.14922	ESTs	2.62
	427202	BE272922	Hs.173936	interleukin 10 receptor, beta	2.62
	412491	W31589	Hs.73957	RAB5A, member RAS oncogene family	2.61
	436496	AA281959	Hs.5210	glia maturation factor, gamma	2.61
	435053	AW629386		ESTs	2.61
65	435029	AF167706	Hs.19280	cysteine-rich motor neuron 1	2.61
	425976	C75094	Hs.334514	NG22 protein	2.60
	412561	NM_002286	Hs.74011	lymphocyte-activation gene 3	2.60
	430539	AK001489		ADP-ribosylation factor-like 1	2.60
	419825	AI764011	Hs.7326	ESTs	2.59
70	412577	Z22968	Hs.74076	CD163 antigen	2.58
	425894	AW954011	Hs.180711	ESTs	2.58
	410883	D43767	Hs.66742	CCL17 chemokine (TARC) (SCYA17)	2.58
	441028	AJ333650	Hs.17558	Homo sapiens cDNA FLJ14446 fis, clone HE	2.58
	413949	AA316077	Hs.75639	Human TB1 gene mRNA, 3' end	2.58
75	434943	AI929819	Hs.92909	chromosome 21 open reading frame 50	2.58
	443605	H06865	Hs.134131	ESTs	2.57
	426017	AL119305	Hs.26409	ESTs	2.57
	440334	BE276112	Hs.7163	zinc finger protein 259	2.56
	426075	AW513691	Hs.270149	ESTs, Weakly similar to 2109260A B cell	2.56
	425345	AU077297	Hs.155894	protein tyrosine phosphatase, non-recept	2.56
80	407174	T79938	Hs.77062	leukocyte immunoglobulin-like receptor,	2.56
	443834	A1741510	Hs.173548	ESTs	2.55
	427557	NM_002659	Hs.179657	plasminogen activator, urokinase recepto	2.55
	420539	AA282736	Hs.44004	ADO31 protein	2.55

421177	AW070211	Hs.102415	Homo sapiens mRNA; cDNA DKFZp586N0121 (f solute carrier family 11 (proton-coupled	2.54
437952	D63209	Hs.5944		2.54
422994	AW891802	Hs.298276	ESTs	2.54
411992	AW816214	Hs.143055	ESTs	2.54
5	451180	Hs.1699	Hs.171937 steroid dehydrogenase-like	2.54
	H00747	Hs.29792	ESTs, Weakly similar to l38022 hypothesi	2.53
	H52348	Hs.36636	ESTs	2.53
	414612	BE274552	protein inhibitor of activated STAT3	2.53
10	453329	T97205	ESTs, Weakly similar to 2109260A B cell ubiquitin associated and SH3 domain cont	2.53
	436503	AJ277750	Hs.183924	2.52
	445911	A1965987	Hs.145645 ESTs, Moderately similar to ALU1_HUMAN A	2.52
	433332	A1367347	Hs.44898 Homo sapiens clone TCCCTAA00151 mRNA sequ	2.52
	435943	R60184	Hs.31141 Homo sapiens mRNA for KIAA1558 protein,	2.52
15	452253	AA528891	Hs.28608 Homo sapiens cDNA: FLJ22115 (s, clone H	2.52
	442508	BE566411	Hs.41726 ESTs	2.52
	419972	AL041466	Hs.182982 golgin-87	2.52
	431074	BE072772	Hs.8997 ESTs, Moderately similar to A46010 X-in	2.52
	449129	A1631602	Hs.258949 ESTs	2.52
20	440624	R71264	Hs.167988 ESTs	2.51
	419203	AA488719	Hs.190151 ESTs	2.51
	404370		Target Exon	2.51
	432828	AB042326	Hs.287402 chondroitin 4-sulfotransferase	2.51
	439219	N33683	Hs.41322 ESTs	2.51
25	428044	AA093322	Hs.301404 RNA binding motif protein 3	2.50
	433681	A1004377	Hs.200360 Homo sapiens cDNA FLJ13027 (s, clone NT	2.50
	437644	AA748575	Hs.136748 lectin-like NK cell receptor	2.50
	442566	R37337	Hs.121111 ESTs	2.50
	409317	U20165	Hs.53250 bone morphogenetic protein receptor, type	2.50
30	450506	NM_004460	Hs.418 fibroblast activation protein, alpha	2.50
	447484	AA464839	Hs.292568 hypothetical protein FLJ14697	2.50
	415185	AW887604	Hs.78065 complement component 7	2.50
	435284	AA879470	Hs.96849 Homo sapiens cDNA FLJ11492 (s, clone HE	2.50

TABLE 3B:

Key: Unique Eos probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

35	412654	1360_1	BG743181 A1830050 BE695688 AA126591 A1903503 R26045 N62894 N63950 AA131619 A1681480 N79626 AA461603 R78979 AW608865 N66222 BF448386 AA779000 AA460314 A1092721 A1870182 A1438284 A1494515 A127704 A127702 BE349350 A1093480 AA115264 AA131567 R26840 R78885	
45	433691	2203511_1	A1223854 A129852 AA606012	
	435729	6624_1	X75684 AL573167 A1445451 A1453743 A1983655 A1584644 AA977180 A1694111 A1591358 AW071825 A1678712 A1720939 A1927769 BE439798 A1963432 AA292956 A1929593 A1865838 A1696905 A1424384 A161312 A1911921 A1597801 A1494959 A1240986 A1492554 AW262731 BE044033 AW008570 AW829505 BE1494958 AA088439 A1705057 BF222820 A1501957 A1524526 BE044134 AW572531 AW015724 BE349186 AA043217 BE219784 A1799814 AA129575 A1571727 A170033 BE646195 AW779725 AA903050 AA147228 AA404570 A1075878 W38161 A1972739 AW673152 BE1723200 C05123 BF057147 A1627686 BE646195 A157944 A1990245 A1662517 TS2487 A1800106 A1833101 A1859160 W45410 A1990827 AW275048 AA182640 AA178328 A1298935 AW085158 AW471421 AW103470 AW300455 AW191997 A123468 AA952397 AA136558 A1251871 AW339104 AA724739 AA411100 AA191349 AA757735 AA037696 A1765116 AW772283 AA010631 A1692846 A1061065 H80983 R79933 A1950693 A1245532 A1349390 AA148284 A1798502 A1487893 A1621320 A194272 C03385 AA558893 BE85893 A1918523 A1972628 A1927217 A1453453 A1189366 AW38678 A1261369 A1500576 BF477736 A1703269 A1702899 A1865893 Z28771 A1363829 A1693030 AA603586 BE773488 AW33901 BE773489 BE773462 BE773495 A1650338 BE773499 A1745717 BE811475 BE811470 BE811464 BE811418 BE811440 BE811398 BE811388 BE811352 BE8773501 BE773494 BE773486 BE773474 BE773473 BE773470 BE773461 BE811350 BE811397 BF593847 BG055071 AW675302 BF003068 AA17103 A1811348 A1582462 A1665240 BE773600 A1248485 A1585439 A1918453 A1472527 A1446740 A033578 AA191414 AW674145 C05782 A1582644 D57558 A168237 A1432033 A1989662 R21752 D020457 AA988297 AL574095 AL578220 AL571074 AL574525 AL578810 BG498381 A1928364 BE879732 AA479834 AA479712 C17732 BM091258 BF43901 AW820230 C17476 BE327120 A129574 AA136845 BE849900 AW801893 A1802892 A1649449 A1658942 A1647960 BE706931 BE811360 BE773498 BE811401 BE773484 BE811437 BE811380 BE811393 BF997171 BF757734 BE926037 A1377593 BE811111 AW808988 BE811404 BE811472 A1865912 A1925807 A1871950 A1903510 BE905927 BE811435 AA191387 AW772000 BE811453 BE8114379 BF844522 B044896 A1744233 AW984527 C17604 BF843883 A1248307 BE773483 A1587995 BE841893 A1738844 BE811458 BE773481 A1262300 A1498563 A1948563 A1472527 A1446740 A033578 AA191414 BE905184 AA872206 A1344934 A1348897 A1334860 BE621857 BE158280 A14450499 A037722 BF843897 AW806183 AA043216 BG482996 AA182734 AA877242 AW372926 H27252 R38114 BF851868 BE155214 AA190427 T91762 AA035067 AA837328 T10830 BF906587 B1756027 BG608731 BC008442 BC01168 AL560134 AL553005 AL548732 AL547978 AL545286 AL546043 A116627 AL601379 BE259821 BG741786 BE868522 A1258966 BE552770 BE259210 BF255200 BF255569 BG485098 BE852288 BG498501 BM044512 AU133984 AL565688 BE745111 BI222633 AU133917 BG288151 BI260715 B1565050 BG500773 B151781 BG70801 B1818932 BG691383 BG721129 BE841578 BE906668 BG751098 BE224135 BG400746 BG478084 BE790436 AW80238 AW137549 BM042886 BE392486 AW861686 BG721056 BE903365 BE546650 BC541235 AW587375 BG528290 BM260895 AW651691 BM040974 BM043805 BG124105 C06300 BG497644 AA088544 A1815987 BG528531 BE811912 AW239185 AW626929 A1347238 F19193 A488005 AA301631 AA376800 DS6120 AA243532 A3086365 F02024 A1376086 AA316368 AA343799 BE910221 BE910282 BG538748 AW860564 AW732879 D16854 AA192519 BF922148 AA216013 BG624091 BE544387 BG507008 AW176446 BE790033 BE088925 BE088854 AA921353 R21800 AA011222 T97525	
65	443194	19335_1		
70				
75				
80				

5	431710 455004 419175	1611592_1 1089114_1 35068_1	BC219510 BG201686 BG195572 AW019904 AW089242 AA953322 AI686698 F27562 AA614749 D56645 F20774 F30660 F25646 AW023542 AA827300 AA582214 AI701289 AA226293 AI906950 AA230156 AA349572 AW438988 AA742516 BI490938 AA731082 BF65869 BI190518 AV704158 BE439643 AA910666 AA156913 AA923097 AA975721 AA985555 BG927032 AA948389 AA451625 AA916141 AL572719 AV707258 AW083733 AA128053 AI953789 AI911993 AA421798 BG429150 AI915306 Z30130 AA126929 BG926630 AA0B1013 AA553896 AA916094 BG942321 AI397221 AI954988 AI372839 AI410406 AI538215 AI422419 AI514370 AI741678 AI734582 AI730581 AI371436 AW850587 AW850589 AW860318 AW850303 AB018322 BC014280 BI524873 AW665554 AI934469 AI479915 BF096179 BF066162 BF096132 AA744972 AI951988 AI858339 BE0D76331 AA886998 AI570585 AI916688 AI678811 AI693109 AI306135 AA669046 AA691064 AI018062 BI80518 BE221942 R52609 AA15164 AA365626 Z44671 BI052776 BI882486 EG286184 AI589583 AA931683 AA534979 AI273592 AI273455 R52653 AAB29920 H08652 AA360728 F10618 AW953668 AW176737 H85527 AA765527 AA081927 BF093262 BG743753 AL037576 AA534314 BE814964 BE973713 N49493 BE006634 BE006630 AW207037 AA234765 AI34004 BF057179 AI867450 AI341191 AI34143 AI917449 AW517207 AA255424 AW008334 AA847572 AA994211 AA861901 AA581873 AI580157 AI384363 AW242357 AW325921 N56545 AA319869 R36911 AA256551 AW044188 AI203159 N49403 F02090 AI187299 AI609644 Z40516 AW952314 BC020598 BI489430 BG188023 BE179030 AW294203 BF849776 AA459064 AI917452 AW403072 W27419 BF914568 BF794868 AW370558 T35055 AW370623 AA398232 AA214221 AW802987 BF902228 AW370522 BF819597 AW370567 BF914313 AW954040 BF060706 AA194237 T25074 C01285 BI489433
10	446830	41421_1	
15	435053 430539	124009_1 31268_1	
20			

25 TABLE 38C:

Pkey: Unique number corresponding to an Ecs probeset.
Ref: Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) *Nature* 402:489-495.
Strand: Indicates DNA strand from which exons were predicted.
NT_position: Indicates nucleotide positions of predicted exons.

	Pkey	Ref	Strand	NL_position
35	408617	8439868	Plus	36430-36552
	401968	3258613	Plus	108411-108629
	405121	8102330	Minus	35816-36044,36587-36684
	401113	9968541	Minus	19419-19559
40	404370	7631003	Plus	127868-128244

45 TABLE 40A: 656 genes upregulated in fibrosis relative to normal body tissues

Table 40A lists about 656 genes upregulated in fibrosis relative to normal body tissues that are likely to encode proteins amenable to modulation by small molecules, peptides, or antibodies. These genes were selected from 59680 probesets on the Eas/Affymetrix Hu30 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression. The protein products of these genes often contain one or more domains indicative of having oncogenic function or of transducing intracellular signals, or of being modulatable by small molecules, peptides, or antibodies (e.g. kinase, death-domain, 7tm, phosphatase, or ion transporter). Certain predicted protein domains are noted.

55	Pkey:	Unique Eos probeset identifier number
	ExAcn:	Exemplar accession number, GenBank accession number
	UniGeneID:	UniGene number
	Pred.Prot Domains:	Certain predicted protein domains. Abbreviations used: TM, transmembrane domain; SS, signal sequence; $\geq Y$, very likely to contain; $= M$, likely to contain; other protein domain abbreviations are from PFAM (Nucleic Acids Research, 2002, 30:276-280).
60	UniGene Title:	UniGene gene file
	R1	95th percentile of fibrosis AIs divided by the 50th percentile of normal tissue AIs, where the 10th percentile of all normal tissue AIs was subtracted from both the numerator and denominator

Pkey; ExAcct; UniGeneID; UniGene Title; Prod; Prot Domains; R1

442275; AW449467; Hs.54795; Homo sapiens secretoglobin, family 3A, member 1; Uteroglobin; TM=M:SS=Y; 39.47
428134; AW365300; Hs.65551; Homo sapiens; Similar to DNA segment; Ch; BLP_BPL_CETP_C; TM=M:SS=Y; 32.35
433335; AA742697; Hs.64294; NM_012345; Homo sapiens; secretoglobin, family 3A, member 1; TM=M:SS=Y; 20.43

406933; AA:42037; Hs.02492; NM_052663; Homo sapiens secretoglobin, *fb*; none; 406984; M21305; : FGENES predicted novel secreted protein; accn: 1000; 23 80

442275; AW449467; Hs.54795; Homo sapiens secretoglobin, family 3A, m; Uteroglobin; TM=M; SS=Y; 39.47
428434; AW363590; Hs.65551; Homo sapiens, Similar to DNA segment, Chr; LBP_BPL_CETP_C; TM=M; SS=Y; 32.35
439335; AA742697; Hs.62492; NM_052863; Homo sapiens secretoglobin, fs; none; 28.49
406964; M21305; : FGENES predicted novel secreted protein; none; none; 27.80

425211; M18667; Hs.1867; progastricin [pepsinogen C]; asp-TM=M-SS=M: 27.90

441835; AB096432; Hs.184; advanced glycosylation end product-specific homeobox; Acetyltransferase

446921; AB012113; Hs.16530; small inducible cytokine subfamily A (Cyt) 1; ILB; 24.97

420330; L22524; Hs.2256; maltx; metalloproteinase 7 (matrixin-1; Peptidase_M10); 24.38
431723; AWM058350; Hs.228066; Homeobox mRNA - RNA, DMR, CRMP5; 6.71

401123; M11038330; M8.2789d8; Human Septins mRNA; cDNA DKFZp564B2082 (f; PMP2409153; W03754; Hs.50813; hypoxia-inducible El 120022; fibroblast; Cr: 23-29

431089 BE041395; Hs.374629; ESTs. Weakly similar to unknown protein ; name none; 18 23

425371; D49441; Hs.155981; mesothelin; none; TM=M; SS=M; 18.17

421502; AF111856; Hs.105039; solute carrier family 34 (sodium phospho-; Ribosomal L20

421788; M74880; M8355402; N-acylsphingosine amidohydrolase (acid C; SAPA; Surfactant protein A; SP-A); U29815; Hs.91093; chitinase 1 (chitotriosidase); Chito-lyase; 1B-CPN-14-TM-14

419092; J05581; Hs.89603; mucin 1, transmembrane; SEA-TM-YSS-M; 16.06

80 426174; AA547959; Hs.115838; Homo sapiens similar to Echinoidin (LOC1; none, none; 1)

421110; AJ250717; Hs.1355; cathepsin E; asp; 15.08
444347; NM 014398; Hs.10882; similar to human-associated with

44042, NM_014550, Hs. 10857; similar to lysosome-associated membrane; Lamp; TM=Y;

406621; X57809; Hs.181125; immunoglobulin lambda locus; Ig,HSP70,Ppx-GppA;TM=M;SS=N; 14.36
 443709; A1082692; Hs.134662; ESTs; SNF,fr3,none; 14.05
 428970; BE276891; Hs.194691; retinol acid induced 3 (RAIG1); metabo; 7tm_3;TM=Y;SS=M; 13.88
 457200; U33749; Hs.197764; thyroid transcription factor 1; homeobox;TM=M;SS=N; 13.86
 5 432619; A1221311; Hs.130704; ESTs; Weakly similar to BCHU1A S-100 pro; none,none; 13.82
 422355; AW403724; Hs.300597; coagulation factor VII (serum prothrombin); none,Ig; 13.62
 430280; AA361258; Hs.237388; interleukin 7 receptor; fr3,none; 13.47
 415457; AW081710; Hs.7369; Homo sapiens testes specific A2 homolog ; MORN,sugar_tr;TM=Y;SS=M; 13.35
 10 431164; AA493650; Hs.94367; thyroid transcription factor 1; none,homeobox; 13.32
 414988; NM_002543; Hs.77729; oxidised low density lipoprotein (lectin; lectin_c;TM=Y;SS=M; 12.83
 400269;; Hs.253495; Eos Control; lectin_c,Collagen,Xlink; 12.30
 424310; AA338648; Hs.50334; testes development-related NYD-SP22; none;TM=M;SS=N; 11.81
 451558; NM_001089; Hs.26530; ATP-binding cassette, sub-family A (ABC1; ABC_1,SRP54;TM=Y;SS=M; 11.79
 15 452304; A026386; Hs.61311; ESTs; Weakly similar to S10590 cysteine ; none,none; 11.68
 445537; AJ245671; Hs.128441; EGF-like-domain, multiple 6; EGF,MAM; 11.56
 423776; Y09267; Hs.132821; flavin containing monooxygenase 2; FMO-like,pyr_redox;TM=Y;SS=M; 11.41
 414812; X72755; Hs.77367; monokine induced by gamma interferon; IL6;TM=M;SS=Y; 11.31
 430632; A1073913; Hs.100680; ESTs; Weakly similar to JE0350 Anterior; none,none; 11.25
 20 407910; AA650274; Hs.41296; fibronectin leucine rich transmembrane p; fr3,LRR,LRRCT,LRRNT;TM=Y;SS=M; 11.15
 451497; H83294; Hs.284122; Wat inhibitory factor-1; EGF,WIF; 11.07
 430250; NM_018929; Hs.283021; chloride intracellular channel 5; none;TM=M;SS=N; 11.07
 411020; NM_006770; Hs.57728; macrophage receptor with collagenous str; SRCR,Collagen;TM=Y;SS=M; 11.05
 446619; AU076643; Hs.313; secreted phosphoprotein 1 (osteopontin; ; Osteopontin; 11.01
 25 438091; AW373062; Hs.351546; nuclear receptor subfamily 1, group 1, m; hormone_rec,zf-C4,none; 10.97
 413048; M83221; Hs.75192; mannose receptor, C type 1; fr2,lectin_c,Ricin_B_lectin,Xlink;TM=Y;SS=M; 10.93
 432231; AA339977; Hs.274127; CLST 11240 protein; none;TM=M;SS=M; 10.81
 416402; NM_000715; Hs.1012; complement component 4-binding protein ; sushi;TM=M;SS=N; 10.77
 418156; W17055; Hs.83623; nuclear receptor subfamily 1, group 1, m; hormone_rec,zf-C4,none; 10.63
 30 436553; AW407157; Hs.181125; immunoglobulin lambda locus; Ig,HSP70,Ppx-GppA;TM=M;SS=N; 10.58
 421071; A1311238; Hs.104476; ESTs; Weakly similar to CGHUIE collagen ; none;TM=Y;SS=M; 10.57
 418007; M13509; Hs.83169; matric metalloproteinase 1 (interstitial; hemopexin,Peptidase_M10,Asfachin,PG_binding_1; 10.33
 419086; NM_000216; Hs.85591; Kallmann syndrome 1 sequence; fr3,wap; 10.30
 407786; AA687538; Hs.38972; tetraspan 1; transmembrane4;TM=Y;SS=M; 10.28
 35 441384; AA447849; Hs.266650; retinol acid induced 3; 7tm_3,none; 10.25
 453914; NM_000507; Hs.574; fructose-1,6-bisphosphatase 1; FBPase;TM=M;SS=N; 10.22
 435523; T62849; Hs.11090; membrane-spanning 4-domains, subfamily A; none;TM=Y;SS=M; 10.09
 423354; AB011130; Hs.127436; calcium channel, voltage-dependent, alpha; vwa,Cache;TM=M;SS=N; 10.03
 415323; BE269352; Hs.949; neutrophil cytosolic factor 2 (65kD, chr; SH3,TPR;TM=M;SS=N; 10.02
 408562; A1436323; Hs.31141; roundabout (axon guidance receptor, Dros; Ig,fr3;TM=M;SS=N; 10.02
 448782; AL050295; Hs.382808; KIAA0758 protein; 7tm_2,Ig,GPS,SEA;TM=Y;SS=N; 9.86
 419235; AW1470411; Hs.288433; neurotrin1m; none,none; 9.79
 415992; C05837; Hs.145807; hypothetical protein FLJ13593; none;TM=Y;SS=M; 9.74
 418883; BE387036; Hs.1211; acid phosphatase 5, fibrate resistant; Metallophos;TM=M;SS=M; 9.70
 439018; AW300887; Hs.28638; membrane-spanning 4-domains, subfamily A; none;TM=Y;SS=M; 9.69
 45 442652; A1005163; Hs.201378; Homo sapiens cDNA FLJ40427 fis; none;TM=M;SS=N; 9.68
 446291; BE397753; Hs.14623; interferon, gamma-inducible protein 30; GILT;TM=M;SS=Y; 9.64
 408380; AF123050; Hs.44532; diubiquitin; ubiquitin;TM=M;SS=N; 9.54
 438889; W05391; Hs.361546; nuclear receptor subfamily 1, group 1, m; hormone_rec,zf-C4,none; 9.52
 50 449494; AW237014; Hs.315369; aquaporin 4; MIP;none; 9.51
 458062; A1866286; Hs.71982; ESTs; Weakly similar to B36298 proline-c; none,none; 9.42
 446428; AW082270; Hs.12496; ESTs; Weakly similar to ALU4_HUMAN ALU S; none,none; 9.41
 421952; AA300900; Hs.96649; dynin light chain 2B (DNL2B); none,none; 9.19
 407949; W21874; Hs.247075; ESTs; Weakly similar to 2109260A B cell ; Ribosomal_S14,ank,phosphatase,death,none; 9.16
 55 456034; AW450979; gbaU-H-B13-ata-a-12-0-U1.s1 NCI_CGAP_Su; none,none; 9.15
 407788; BE514982; Hs.38919; S106 calcium-binding protein A2; eifhand,S_100,S_100,efhand; 9.15
 416955; N26223; Hs.160438; MDAC1; none;NA;NA; 9.03
 443224; R44013; Hs.164225; ESTs; none,none; 9.03
 435575; AF213457; Hs.442234; triggering receptor expressed on myeloid; Ig;TM=Y;SS=M; 9.00
 60 440273; A1805392; Hs.325335; Homo sapiens cDNA: FLJ23523 fis, clone L; none,none; 8.99
 424527; AW138558; Hs.334873; ESTs; Weakly similar to I54374 gene NF2 ; Zn_carbOpept,none; 8.80
 409203; A7760473; Hs.687; cyclochrome P450, subfamily IVB, polypept; P450;TM=M;SS=Y; 8.76
 423387; AJ012074; Hs.348500; vasoactive intestinal peptide receptor 1; 7tm_2,HRM,CSD;TM=Y;SS=M; 8.74
 443807; AU076484; Hs.9963; TYRO protein tyrosine kinase binding pro; none;TM=M;SS=Y; 8.73
 425267; BE271198; Hs.155975; protein tyrosine phosphatase, receptor type; none;TM=M;SS=Y; 8.68
 65 418918; X07871; Hs.89478; CD2 antigen (p50); sheep red blood cell ; Ig;TM=Y;SS=M; 8.56
 421563; NM_006433; Hs.105806; granulysin; none; 8.55
 450726; AW204600; Hs.355462; HUMPSP2A Human pulmonary surfactant-ecso; SAPP, Surfactant_B,none; 8.51
 419693; AA133749; Hs.301350; FXYD domain-containing ion transpot reg; ATP1G1_PLM_MAT8;TM=Y;SS=M; 8.51
 70 424450; A1137526; Hs.374425; dynin intermediate chain 2; WD40; 8.42
 402474; ; NM_004079; Homo sapiens cathepsin S (CTSS; Peptidase_C1; 8.41
 458079; A1798870; Hs.54277; Homo sapiens similar to RIKEN cDNA 2810; none;TM=M;SS=N; 8.40
 424779; A1046851; Hs.153053; CD37 antigen; transmembrane4;TM=Y;SS=M; 8.36
 453310; X70597; Hs.553; solute carrier family 6 (neurotransmitter; SNF,6HT_transporter;TM=Y;SS=N; 8.34
 75 448140; AF146761; Hs.20450; BCM-like membrane protein precursor; Ig;TM=Y;SS=N; 8.33
 404240; ; NM_018950; Homo sapiens major histocompat; Ig,MHC_I;TM=Y;SS=M; 8.28
 459702; A1204995; ; gba:an03c03.x1 Stratagene schizo brain S1; none,none; 8.17
 449523; NM_000575; Hs.54443; chemokine (C-C motif) receptor 5; 7tm_1;TM=Y;SS=M; 8.17
 442994; A1026718; Hs.16954; ESTs; ank,phosphatase,death,Ribosomal_S14; 8.12
 80 446998; N90013; Hs.278956; Homo sapiens mRNA; cDNA DKFZp64B2052 (f; PMP22_Claudin,none; 8.07
 420137; AA305478; Hs.85327; CD3D antigen; delta polypeptide (TfE3 cc; ITAM;TM=Y;SS=M; 8.01
 435472; AW972330; Hs.283022; triggering receptor expressed on myeloid; Ig;TM=M;SS=M; 7.99
 432441; AW292425; Hs.163484; Intron of hepatocyte nuclear factor-3 a; Fork_head,none; 7.99
 409208; Y00093; Hs.172631; Integrin, alpha X (antigen CD11C (p150); vwa,FG-GAP,Integrin_A,vwa,integrin_A,FG-GAP; 7.94

- 432606; NM_002104; Hs.3068; granzyme K (serine protease, granzyme 3; trypsin; TM=Y; SS=M; 7.92
 442832; AW20560; Hs.253569; ESTs; none,none; 7.90
- 412104; AW205197; Hs.240951; Homo sapiens, Similar to RIKEN cDNA 2210; none; TM=M; SS=N; 7.89
 427337; Z46223; Hs.176663; Fc fragment of IgG, low affinity IIb, r; Ig; TM=Y; SS=M; 7.86
 5 443951; F13272; Hs.358535; ferritin, light polypeptide; PMP22_Claudin; none; 7.84
 418299; AA279530; Hs.83968; Integrin, beta 2 (antigen CD18 (p95), Ig; integrin_B,EGF,PSI; TM=Y; SS=M; 7.79
 447131; NM_004585; Hs.174466; retinol acid receptor responder (lazaro); none; TM=Y; SS=N; 7.78
 423961; D13686; Hs.136348; perifosdin (OSF-2α); Fascidin; TM=M; SS=M; 7.73
 10 424917; AI636208; Hs.96011; hypothetical protein FLJ23049; none; TM=M; SS=N; 7.72
 438564; AA381553; Hs.198263; major histocompatibility complex, class I; Ig_MHC_I_alpha; none; 7.65
 456672; AK002016; Hs.114727; Homo sapiens, clone MGC:16327, mRNA, com, none; PK_Pk_C,myosin_head,RhoGAP; 7.64
 427792; M63928; Hs.160841; tumor necrosis factor receptor superfamily; SRP14,TNFR_c6; 7.63
 436954; AA740151; Hs.130425; ESTs; none,none; 7.58
 429732; U20158; Hs.2498; lymphocyte cytosolic protein 2 (SH2 domain; SH2; 7.56
 15 407601; AC002300; Hs.37129; sodium channel, nonvoltage-gated 1, beta; ASC; TM=Y; SS=M; 7.55
 417105; X60992; Hs.81226; CD6 antigen; SRCR; TM=Y; SS=M; 7.51
 414821; M63835; Hs.77424; Fc fragment of IgG, high affinity Ia, r; Ig; TM=Y; SS=M; 7.46
 444381; BE397335; Hs.283713; hypothetical protein BC014245; Collagen; TM=M; SS=M; 7.40
 20 432222; AI204959; gbran03c03.x1 Stratagene schizo brain S1; none,none; 7.38
 422687; H25642; Hs.132821; ESTs; FMO-like; FMO-like; 7.37
 444527; NM_005408; Hs.11383; small inducible cytokine subfamily A (C�; IL8; 7.36
 457411; AW085961; Hs.130093; iniquo; class IImmuno protein IRX2; none,none; 7.32
 439237; AW408158; Hs.318893; ESTs; Weakly similar to A7582 B-cell gr; Furin-like; pkinase,Recep_L_domain,YLP; none; 7.32
 25 419231; AL046294; Hs.136245; ESTs; Weakly similar to T17227 hypothetical; none,none; 7.30
 438873; AI302471; Hs.142429; Homo sapiens cDNA: FLJ23123 fis, clone L; none,none; 7.27
 424027; AW337575; Hs.201591; ESTs; 7m_2_HRM; none; 7.26
 428927; AA441837; Hs.90250; Homo sapiens hypothetical protein FLJ231; none,none; 7.24
 432435; BE218865; Hs.282070; ESTs; none,none; 7.22
 30 428467; AK002121; Hs.184465; hypothetical protein FLJ11259; none; TM=Y; SS=M; 7.21
 416030; H15261; Hs.21948; ESTs; none,none; 7.20
 433293; AF007835; Hs.32417; hypothetical protein MGC2742; none; TM=M; SS=N; 7.18
 418741; H83265; Hs.8881; ESTs; Weakly similar to S41044 chromosom; pkinase,Activin_recip,pkinase,Activin_recip; 7.16
 420556; AA279098; Hs.107636; ESTs; none,none; 7.14
 35 427698; AW972594; Hs.336499; ESTs; none,none; 7.11
 432268; BE311856; Hs.274230; 3'-phosphoadenosine 5'-phosphosulfate sy; APS_kinase,ATP-sulfurylase; TM=M; SS=N; 7.06
 413859; AW992356; Hs.8384; Homo sapiens pyruvate dehydrogenase kinase; SAM_PNT; none; 7.04
 430413; AW842182; Hs.241392; small inducible cytokine A5 (RANTES); IL8; TM=M; SS=Y; 7.04
 452363; AI582743; Hs.94953; Homo sapiens, Similar to complement comp; C1q, Collagen; 7.03
 40 421481; AW391972; Hs.104696; KIAA1324 protein; none; TM=M; SS=M; 7.01
 418945; BE245752; Hs.89499; arachidonate 5-lipoxygenase; lipoxygenase,PLAT; TM=M; SS=N; 6.97
 452281; T93500; Hs.28792; Homo sapiens cDNA FLJ11041 fis, clone PL; TGFb_propeptide,TGF-beta; none; 6.96
 458124; AW006548; Hs.124590; ESTs; none,none; 6.94
 422846; BE513934; Hs.1583; neutrophil cytosolic factor 1 (47kD, chr; SH3,PX; TM=M; SS=N; 6.93
 411027; AF072059; Hs.67948; leukocyte immunoglobulin-like receptor; ; Inositol_P_ig; TM=M; SS=N; 6.92
 45 428820; AA436187; Hs.172631; Integrin, alpha M (complement component; wwa,Integrin_A,FG-GAP; TM=Y; SS=M; 6.90
 423575; C18863; Hs.163443; intron of peroxin (OSF-2α); Fascidin; none; 6.89
 419490; NM_005144; Hs.90708; granzyme A (granzyme 1, cytolytic T-lymp; trypsin; TM=Y; SS=M; 6.89
 450854; AI904740; Hs.25691; receptor (calcitonin) activity modifying; none; TM=Y; SS=M; 6.87
 50 428976; CT5094; Hs.334514; NG22 protein; voltage_CLC; TM=Y; SS=M; 6.84
 425555; AA359291; Hs.130767; Homo sapiens cDNA: FLJ23553 fis, clone L; LRR; TM=M; SS=N; 6.81
 414991; C17898; Homo sapiens up-regulated by BCG-CWS (L0; Zip; none; 6.80
 410342; R31350; Hs.743; Fc fragment of IgE, high affinity I, rec; ITAM; TM=Y; SS=M; 6.80
 422163; AF027208; Hs.112380; prominin (mouse)-like 1; none; TM=Y; SS=M; 6.79
 445885; AI734009; Hs.127699; KIAA1603 protein; none,none; 6.77
 55 55 436576; AI458213; Hs.77542; ESTs; 7m_1_Dna; 6.77
 417079; U65590; Hs.81134; Interleukin 1 receptor antagonist; IL1; 6.76
 424711; NM_005795; Hs.152176; calcitonin receptor-like; 7m_2_HRM; TM=Y; SS=M; 6.75
 416847; L43821; Hs.80261; enhancer of filamentation 1 (case-like do; SH3; TM=M; SS=N; 6.73
 60 425251; M24283; Hs.168383; intercellular adhesion molecule 1 (CD54); Ig; ICAM_N; TM=M; SS=M; 6.71
 417929; R27219; Hs.74647; Human T-cell receptor active alpha-chain; Ig,abhydrolase; 6.70
 412584; X54870; Hs.74083; DNA segment on chromosome 12 (unique) 24; none; fctin_c; 6.70
 428227; AA321649; Hs.2248; small inducible cytokine subfamily B (C�; IL8; TM=M; SS=Y; 6.68
 421445; AA913059; Hs.104433; Homo sapiens, clone IMAGE:4054868, mRNA; Ion_trans_K_tetra,esp; 6.65
 439760; AL369053; Hs.576364; Homo sapiens mRNA full length insert cDN; IMPDH_C,IMPDH_N,CBS,integrin_B,Ricin_B,Jctin; 6.62
 65 428682; BE336699; Hs.185055; BENE protein; none; TM=Y; SS=M; 6.60
 453142; AA033648; Hs.74773; Homo sapiens gap junction protein, alpha; connexin; TM=Y; SS=M; 6.60
 432374; W68815; Hs.301885; Homo sapiens cDNA FLJ11346 fis, clone PL; none,none; 6.56
 448569; BE382657; Hs.21486; signal transducer and activator of trans; SH2,STAT,STAT_bind,STAT_prot; TM=M; SS=N; 6.54
 70 424321; W74948; Hs.1765; lymphocyte-specific protein tyrosine kin; SH2,SH3,pkinase; TM=M; SS=N; 6.51
 448932; AA981459; Hs.125644; ESTs; none,LRR,LRRNT; 6.50
 427247; AW504221; Hs.174103; Integrin, alpha L (antigen CD11A (p180); wwa,Integrin_A,FG-GAP; TM=Y; SS=M; 6.48
 425998; AI076829; Hs.165950; fibroblast growth factor receptor 4; Ig,pkinase; TM=M; SS=M; 6.47
 447232; AW499834; Hs.327; Interleukin 10 receptor, alpha; none; TM=M; SS=M; 6.46
 75 431745; AW972448; Hs.163425; Novel FGEMESH predicted cadherin repeat; none,none; 6.43
 417370; T23651; Hs.374466; tryptophanyl-tRNA synthetase; WHEP-TRS,tRNA-synt_1b; 6.41
 422241; Y00062; Hs.170121; protein tyrosine phosphatase, receptor type; kinesin,fn3,Y_phosphatase; TM=M; SS=N; 6.40
 429610; AB024937; Hs.211092; LJN1X protein; PLUNC (palate lung and nose; none; 6.39
 409340; BE174629; Hs.321130; hypothetical protein MGC2771;
 80 aa_permeases,pyridoxal_deC,brucodomain,PHD,MBD_AT_jhook,DDT,PI3_PI4_kinase,FAT,FATC,BolA,RUN; TM=M; SS=N; 6.37
 413395; M34455; Hs.440; indoleamine-pyrole 2,3 dioxygenase; IDO; TM=M; SS=N; 6.35
 451820; AW058957; Hs.199248; ESTs; 7m_1; TM=Y; SS=M; 6.34
 408369; R38438; Hs.118747; SLC15A2 Solute carrier family 15 (H+-pep; PTR2; TM=Y; SS=N; 6.32
 424247; X14006; Hs.234734; lysozyme (renal amyloidosis); lys,lg,FAD_Synth,ldh,ldh_C,pkinase; 6.32

444090; S69115; Hs.10306; natural killer cell group 7 sequence; PMP22_Claudin;TM=Y;SS=M; 6.31
 416819; U77735; Hs.80205; pim-2 oncogene; pkinase;; 6.30
 421659; NM_014459; Hs.106511; protocadherin 17; cadherin;TM=M;SS=M; 6.27
 415198; AW009480; Hs.943; natural killer cell transcript 4; none;TM=M;SS=N; 6.26
 5 424273; W04040; Hs.144442; phospholipase A2, group X; phospholip;TM=M;SS=Y; 6.24
 429083; Y09397; Hs.227817; BCL2-related protein A1; Bcl-2;TM=M;SS=N; 6.23
 452194; AI694413; Hs.373599; olfactory receptor, family 2, subfamily ; none;none; 6.22
 424144; AA454033; Hs.41644; AKAP-associated sperm protein; Rila;; 6.21
 10 414142; AW368397; Hs.334485; hemicanthin (fibulin 6); EGF_fg,sp_1,hormone4,squash,TIL_Adeno_E3_CR1;TM=M;SS=M; 6.21
 442006; AW975183; Hs.372210; ESTs; Weakly similar to S72482 hypothesis; none;none; 6.20
 420256; U84722; Hs.76205; cadherin 5, type 2, VE-cadherin (vascular cadherin, Cadherin_C_term);TM=Y;SS=M; 6.19
 421379; Y15221; Hs.103982; small inducible cyclone subfamily B (C; IL8;TM=M;SS=Y; 6.17
 15 440452; AI925136; Hs.55150; ESTs; Weakly similar to CAYP1_HUMAN CALCT; none;NA;NA; 6.17
 421462; AF016495; Hs.104624; aquaporin 9; MIP;TM=Y;SS=M; 6.16
 452960; AK001335; Hs.31137; protein tyrosine phosphatase, receptor type Y;phosphatase;none; 6.15
 410361; BE391804; Hs.62661; guanylate binding protein 1, interferon-; GBP,GBP_C;TM=Y;SS=M; 6.13
 415765; NM_005424; Hs.787824; tyrosine kinase with Immunoglobulin and ; EGF_frn3_ig,pkinase,lambda_EGF;TM=M;SS=Y; 6.12
 430478; NM_014349; Hs.241535; apolipoprotein L, 3; MotA_ExbB;TM=Y;SS=M; 6.12
 20 413869; NM_000878; Hs.75595; Interleukin 2 receptor, beta; none;TM=Y;SS=M; 6.09
 446608; N75217; Hs.175622; ESTs; Armadillo_seg,HEAT_PBS;TM=M;SS=M; 6.08
 430378; Z28572; Hs.2556; tumor necrosis factor receptor superfamily; IL2; 6.08
 426116; AA888729; Hs.144694; ESTs; none;none; 6.06
 445033; AV652402; Hs.72901; cyclin-dependent kinase inhibitor 2B (p1; ank; 6.05
 25 425721; AA383588; Hs.288454; ESTs; Weakly similar to T28012 hypothesis; zf-C2H2;TM=M;SS=N; 6.05
 429228; AI553633; Hs.356828; ESTs; none;none; 6.05
 421757; Z20897; Hs.296259; paraoxonase 3; Arylesterase; 6.04
 437669; AI358105; Hs.123164; ESTs; Weakly similar to match to ESTs AA; none;pkinase,phosphatase;; 6.03
 419508; AW997938; Hs.90786; ATP-binding cassette, sub-family C (CFTR; ABC_fran,ABC_membrane);TM=Y;SS=M; 6.02
 30 428667; AI375550; Hs.346868; nucleolar protein p40; homolog of yeast ; none;none; 6.01
 432731; R31178; Hs.287920; fibronectin 1; fn1,fn2,fn3,none; 5.95
 445566; Hs9741; Hs.17914; membrane-spanning 4-domains, subfamily A; none;TM=Y;SS=M; 5.95
 450656; AA010539; Hs.18912; unnamed protein product; zf-C2H2; 5.94
 418460; M26315; Hs.852588; CD8 antigen, alpha polypeptide (p32); Ig;TM=Y;SS=M; 5.94
 35 424054; AA334511; Hs.26231; membrane-spanning 4-domains, subfamily A; none;TM=Y;SS=M; 5.94
 408048; NM_007203; Hs.42322; A kinase (PRKA) anchor protein 2; Paralemmin;TM=M;SS=N; 5.94
 438670; AI275803; Hs.123428; ESTs; none;NA;NA; 5.91
 424238; AA337401; Hs.137635; ESTs; none;TM=M;SS=M; 5.90
 444143; AW747996; Hs.160999; ESTs; Moderately similar to A58194 throm; Bcl-2;none; 5.89
 423690; AA329548; Hs.23804; ESTs; Weakly similar to PN0099 son3 prot; ion_trans,IO;none; 5.88
 407989; D11928; Hs.76346; phosphoinositide-like; Hydrofase;TM=M;SS=N; 5.81
 407239; AA076350; Hs.67846; leukocyte immunoglobulin-like receptor; Ig;TM=Y;SS=M; 5.81
 411125; AA151647; Hs.68977; cytochrome b-245, alpha polypeptide; none;TM=Y;SS=M; 5.80
 420340; NM_000734; Hs.37086; CD32 antigen, zeta polypeptide (ITIM);TM=M;SS=M; 5.79
 431651; AK000378; Hs.267566; hypothetical protein FLJ20371; sugar_Ir;TM=Y;SS=N; 5.79
 45 413441; AI029374; Hs.75367; Src-like-adapter; SH2,SH3;TM=M;SS=N; 5.78
 443257; AI334040; Hs.11614; HSPC065 protein; trypsin;TM=M;SS=N; 5.76
 415801; R24219; Hs.278443; Fc fragment of IgG, low affinity IIb, re; Ig;TM=Y;SS=N; 5.70
 435299; A1745458; Hs.343026; ESTs; Weakly similar to T20593 hypothesis; none;NA;NA; 5.69
 50 415995; NM_004573; Hs.355688; phospholipase C, beta 2; C2,PI-PLC-Y,PI-PLC-X;TM=M;SS=N; 5.67
 436772; AW975668; Hs.348918; metallothionein 1E (functional); 7m_2_HRM;none; 5.67
 431285; BE178536; Hs.11090; membrane-spanning 4-domains, subfamily A; none;none; 5.66
 419833; AA251131; Hs.220697; Homo sapiens tryptophanyl-tRNA synthetase; WHEP-TRS,tRNA-synt_1b;none; 5.66
 421859; AA356620; Hs.108947; KIAA050 gene product; ank,PH,ArfGap; 5.64
 55 407756; AA116021; Hs.38260; ubiquitin specific protease 18; UCH-1,UCH-2; 5.63
 425354; U62027; Hs.155935; complement component 3a receptor 1; 7m_1;TM=Y;SS=M; 5.63
 423533; NM_014339; Hs.129751; interleukin 17 receptor; none;TM=Y;SS=M; 5.63
 419577; L36531; Hs.91296; integrin, alpha 8; Integrin_A_FG-GAP;TM=Y;SS=N; 5.61
 452651; AI692181; Hs.49169; KIAA1634 protein; TPR,PDZ,WW,Guanylate_5h;TM=M;SS=N; 5.61
 60 426577; AI657119; Hs.351582; troponin I, cardiac; none;TM=M;SS=N; 5.60
 425509; AF079363; Hs.158213; sperm associated antigen 6; Armadillo_seg,HEAT_PBS;TM=M;SS=N; 5.59
 453852; AW961818; Hs.211592; MUM2 protein; kinase,DAG_PE-bind,C2,phosphatase_C;none; 5.57
 421924; BE514514; Hs.109606; coronin, actin-binding protein, 1A; WD40,ish_C;TM=M;SS=N; 5.57
 448030; NM0714; Hs.325960; membrane-spanning 4-domains, subfamily A; none;TM=Y;SS=M; 5.55
 65 431630; NM_002204; Hs.265629; integrin, alpha 3 (antigen CD94C, alpha; FG-GAP,Rh2bd_glycop,Integrin_A;TM=Y;SS=M; 5.53
 410257; BE244027; Hs.61469; hypothetical protein; none;none; 5.53
 441965; AA072712; Hs.289737; ESTs; pkinase,Activin_rec,TPSPN,Collagen; 5.52
 413934; U03056; Hs.75619; hyaluronan/fucosaminidase 1; integrin_B,Glyco_hydro_56; 5.52
 70 424517; AI539443; Hs.137447; Homo sapiens cDNA FLJ12169 f1, clone MA; SH2,STAT,STAT_bind,STAT_prot;none; 5.50
 447357; AI375922; Hs.132821; ESTs; FMO-like,FMO-like; 5.48
 422109; S73265; Hs.1473; gastrin-releasing peptide; Bombesin,Defensin_propep;TM=M;SS=M; 5.46
 447039; AI357412; Hs.157601; Predicted gene; Eos cloned; secreted w/W; none;none; 5.45
 417412; X16896; Hs.62112; interleukin 1 receptor type I; Ig,TIR;TM=M;SS=M; 5.45
 438057; AJ004832; Hs.5038; neuropathy target esterase; cNMP_binding,Ion_trans,Palatin;TM=Y;SS=M; 5.41
 75 417407; AW402482; Hs.82212; CD53 antigen; transmembrane4;TM=Y;SS=M; 5.41
 439265; AI133916; Hs.47860; hypothetical protein FLJ20093; Ig,phosphatase,LRR,LRRNT,LRRCT;none; 5.40
 452698; NM_001295; Hs.301921; chemokine (C-C motif) receptor 1; 7m_1;TM=Y;SS=M; 5.40
 443623; AA345519; Hs.9841; complement component 1, q subcomponent; C1q,Collagen;; 5.40
 446272; BE268912; Hs.145041; hematopoietic cell-specific Lyn substrate; SH3,HS1_rec;TM=M;SS=N; 5.38
 80 437275; AW978035; Hs.292396; ESTs; Weakly similar to A47582 B-cell gr; none,Frizzled,Fz; 5.37
 419560; BE280337; Hs.194693; solute carrier family 7 (cationic amino ; aa_permeases;TM=Y;SS=M; 5.37
 449853; AF006823; Hs.24040; potassium channel, subfamily K, member 3; Ion_trans;TM=Y;SS=M; 5.36
 442434; AA995787; Hs.129583; ESTs; IRK;none; 5.36
 428065; AI634046; Hs.157313; ESTs; ICE_p20,DED,ICE_p10,ICE_p20,DED; 5.36

- 445333; BE537641; Hs.4427B; hypothetical protein FLJ12538 similar to; ras,arf,TK; 5.33
 425630; NM_012337; Hs.158450; nasopharyngeal epithelium specific proto; none; TM=M; SS=N; 5.32
 419034; NM_002110; Hs.89555; hemopoietic cell kinase; SH2,SH3,pkinase; TM=M; SS=N; 5.32
 5 452416; AA026115; Hs.114777; ESTs; none,Porphobil_doen; 5.29
 425205; NM_005854; Hs.155106; receptor (calcitonin) activity modifying; none; TM=Y; SS=N; 5.29
 440475; AIB07571; Hs.24040; potassium channel, subfamily K, member 3; ion_trans; none; 5.28
 417355; D13168; Hs.82002; endothelin receptor type B; 7tm_1,zf-C3HC4_fn3,SPRY,KRAB,zf-C2H2,rve,zf-B_box; TM=Y; SS=M; 5.28
 436120; AI248193; Hs.119860; ESTs; heme_1; none; 5.27
 10 418307; U70867; Hs.83974; solute carrier family 21 (prostaglandin; OATP_N,OATP_C; TM=Y; SS=M; 5.27
 409745; AA077391; pb7814E12 Chromosome 7 Fetal Brain cDNA; 7tm_1,zf-C3HC4_fn3,SPRY,KRAB,zf-C2H2,rve,zf-B_box; TM=Y; SS=M; 5.26
 421554; AW137676; Hs.9775; ESTs; none; none; 5.23
 408308; AL033377; Hs.44197; hypothetical protein DKFZp54D0462; none; none; 5.22
 410434; AF051152; Hs.63668; toll-like receptor 2; LRR,LRRCT,TIR; TM=M; SS=M; 5.21
 15 421585; U95626; Hs.302043; chemokine (C-C motif) receptor-like 2 (C 7tm_1; TM=Y; SS=M; 5.19
 400261; Hs.1802; Eos Control; Ig,MHC_Ii_beta; TM=Y; SS=M; 5.19
 436856; AI463355; Hs.127310; ESTs; phosphatase,xrn; TM=M; SS=N; 5.18
 408761; AA057264; Hs.238936; ESTs; Weekly similar to (define not avai; 7tm_1; none; 5.17
 425023; AW956889; Hs.154210; EDG-1 (endothelial differentiation, sph; 7tm_1; TM=Y; SS=M; 5.16
 20 452203; X57522; Hs.352018; transporter 1, ATP-binding cassette, sub; ABC_bran,ABC_membrane,SRP54,Thymidylate_kin; TM=Y; SS=M; 5.16
 451220; AF124251; Hs.26054; novel SH2-containing protein 3; SH2; TM=M; SS=N; 5.15
 417771; AA004698; Hs.82547; retinoic acid receptor responder (leazzo; none; none; 5.14
 424925; NM_002432; Hs.153837; myeloid cell nuclear differentiation ant; PAAD1,DAPIN,HIN; 5.14
 451099; RS2795; Hs.25594; interleukin 13 receptor, alpha 2; tm3; TM=Y; SS=M; 5.13
 25 427509; MG6205; Hs.2161; complement component 5 receptor 1 {C5a I; 7tm_1; TM=Y; SS=M; 5.12
 423196; AK001066; Hs.125139; hypothetical protein FLJ11004; none; TM=M; SS=N; 5.12
 433674; AW138797; Hs.132905; 19424 protein; Ig; TM=M; SS=M; 5.11
 426457; AW894667; Hs.380138; chimaerin (chimaerin) 1; DAG_PE-bind,RhoGAP,SH2; TM=M; SS=N; 5.06
 431890; X17033; Hs.271986; Integrin, alpha 2 (CD49B, alpha 2 subunit; vva,Integrin_A,FG-GAP; TM=Y; SS=M; 5.05
 30 418185; AW958272; Hs.347326; intercellular adhesion molecule 2 (ICAM; none; TM=Y; SS=M; 5.05
 437352; AL353957; Hs.284181; hypothetical protein DKFZp434P0531; DUF221; TM=Y; SS=M; 5.03
 457918; AL359593; Hs.162604; hypothetical protein DKFZp762M188; PLDc; TM=M; SS=N; 5.02
 452924; AF080939; Hs.97199; complement component C1q receptor; EGF,lectin_c,Tissue_lectin,Xlink,TIL; TM=Y; SS=M; 5.02
 426535; AU077012; Hs.208852; ESTs; Weekly similar to ubiquitous TPR m; Kunitz_BPT1,Kunitz2_BPT1,7tm_2,HRM; 4.99
 35 432805; X94636; Hs.3107; CD97 antigen; 7tm_2,EGF,GPS,FecCD; TM=Y; SS=M; 4.95
 434883; AW81538; Hs.19807; hypothetical protein MGC12959; SH3,PH,WW,RhoGAP; 4.95
 414291; AJ289519; Hs.13040; G protein coupled receptor 86; 7tm_1; TM=Y; SS=M; 4.94
 428891; BE313077; Hs.93135; ESTs; Weekly similar to ALU2_HUMAN ALU S; none; rm; 4.92
 451154; AA015879; Hs.33536; ESTs; TIMP; none; 4.92
 40 435730; AB020535; Hs.49828 protein; AdoHcyase,Trk-A-N,2-Hackl_DH_C; TM=M; SS=N; 4.90
 413011; AW068115; Hs.821; biglycan; LRR,LPRNT; 4.90
 422732; AA577455; Hs.24937; transformer-2 alpha (ttra-2 alpha); rm; Ig; 4.89
 417015; MB3772; Hs.80876; flavin containing monooxygenase 3; FMO-like,pyr_reduct; TM=Y; SS=M; 4.88
 412773; H15785; Hs.74753; similar to vaccinia virus HindIII K4L OR; PLDc; TM=M; SS=N; 4.88
 439659; AW970780; Hs.59493; leucine-rich repeat-containing G protein; 7tm_1,LRR; TM=Y; SS=N; 4.87
 406102;; C15001220*; gi|4469588|pb|AAD21311.1| (AF); DAG,PE-bind,PH,RhoGEF,DC1; 4.86
 422795; AB033109; Hs.375610; KIAA1283 protein; 7tm_1,kazal,A2M,A2M_N; TM=Y; SS=M; 4.84
 432581; AU076465; Hs.278441; KIAA0015 gene product; PP2C; TM=M; SS=N; 4.83
 414936; C14774; Clontech human aorta polyA mRNA; ank,phosphatase,death; none; 4.82
 430152; AB001325; Hs.234542; aquaporin 3; MIP; TM=Y; SS=M; 4.82
 50 444838; AV651680; Hs.208558; ESTs; Integrin_A,FG-GAP; none; 4.81
 410423; AW402432; Hs.63489; protein tyrosine phosphatase, non-recept; SH2,Y_phosphatase,D8Pc; TM=M; SS=N; 4.81
 453107; NM_016113; Hs.279745; vanilloid receptor-like protein 1; ank,ion_trans; TM=Y; SS=N; 4.80
 55 433376; AI249361; Hs.74122; caspase 4, apoptosis-related cysteine pr; CARD,ICE_p10,ICE_p20;; 4.80
 422010; AA302049; Hs.31181; Homo sapiens cDNA: FLJ23230 fis, clone C; none; SDF,sugar_b; 4.78
 419542; AA366037; Hs.309419; solute carrier family 16 (monocarboxylic; none; none; 4.76
 438859; AF085833; Hs.135824; ESTs; none; PI3K_P14_kinase,PI3K_C2,PI3K_rbd,PI3K_p85B; 4.75
 427418; AA402587; Hs.356657; LAT1-3TM protein; none; none; 4.75
 431924; AK000850; Hs.272203; Homo sapiens cDNA FLJ20843 fis, clone AD; SH3; none; 4.73
 60 424218; AF031824; Hs.143212; cystatin F (eukystatin); cystatin; 4.72
 414886; AL038185; Hs.77558; thyroid hormone receptor interactor 7; HMG14_17; none; 4.72
 416178; AI080527; Hs.192822; serologically defined breast cancer anti; none; TM=M; SS=N; 4.71
 430037; BE409649; Hs.227789; mitogen-activated protein kinase-activat; pkinase; TM=M; SS=N; 4.71
 451527; AF022813; Hs.26518; transmembrane 4 superfamily member 7; none; none; 4.71
 55 453870; AW385001; Hs.8042; Homo sapiens cDNA: FLJ23173 fis, clone L; FG-GAP,Integrin_A,NIF; 4.71
 408113; T82427; Hs.194101; Homo sapiens cDNA: FLJ20889 fis, clone A; 7tm_3; none; 4.70
 389543; AA810141; Hs.192182; ESTs; SH2,pkinase; none; 4.70
 424943; AU077260; Hs.153924; death-associated protein kinase 1; ank,pkinase,death,SPRY,SAP,Ribosomal_L24e,SRP54,dDENN,DENN,uDENN; TM=M; SS=N; 4.70
 438113; AI467908; Hs.8882; ESTs; 7tm_1; none; 4.70
 70 422184; NM_014312; Hs.112377; ccrf al thymocyte receptor (X, laivis; Ig, Cermil_L_mov; TM=Y; SS=M; 4.69
 414482; S57498; Hs.76252; endothelin receptor type A; 7tm_1; TM=Y; SS=M; 4.69
 425099; AA687465; Hs.298184; potassium voltage-gated channel, shaker; aldo_ket_red; none; 4.67
 432314; AA533447; Hs.285173; ESTs; Xlink; none; 4.66
 453510; AW503205; Hs.27256; gbl-UHF-BNO-akt-p-03-0-U1 r1 NIH_MGC_50; SH3,PH,RhoGEF; TM=M; SS=N; 4.66
 418613; AA744522; Hs.86575; mitogen-activated protein kinase kinase; pkinase,CNH; TM=M; SS=N; 4.66
 75 446063; A1720140; Hs.151079; ESTs; ISK_Channel; none; 4.65
 454034; NM_000891; Hs.575; aldehyde dehydrogenase 3 family, member ; aldehyd; 4.65
 431441; UB1961; Hs.2794; sodium channel, nonvoltage-gated 1 alpha; ASC; TM=Y; SS=N; 4.65
 443402; U77846; Hs.9295; elastin (supravalvular aortic stenosis; none; PDZ,LIM,pkinase; 4.65
 414809; AI434699; Hs.77356; transferrin receptor (p90, CD71); PA; TM=Y; SS=N; 4.64
 80 427535; R28543; Hs.2164; pro-platelet basic protein (includes pla; IL8; TM=M; SS=M; 4.64
 437119; AI379921; Hs.177043; XP_171387 similar to rhoteplkr; none; none; 4.63
 411779; AA292811; Hs.72050; non-metastatic cells 5, protein expresse; NDK; 4.63
 429784; MB9796; Hs.30; membrane-spanning 4-domains, subfamily A; none; TM=Y; SS=N; 4.62

415934; NM_000928; Hs.992; phospholipase A2, group 1B (pancreas); phosph.; 4.61
 408973; AL046017; Hs.356216; calmodulin 2 (phosphorylase kinase, delta; none;none; 4.61
 426432; AF001601; Hs.169857; paraoxonase 2; Arylesterase; TM=M;SS=N; 4.59
 444805; AB007899; Hs.120117; homolog of yeast ubiquillin-protein ligas; WW,HECT, RNA_pol_A,none; 4.59
 5 408000; L11680; Hs.198689; bullous pemphigoid antigen 1 (230/240kD); effand,spectrin,GAS2,SH3,Plectin,RA,Xylosa_3om,FLID,bZIP,Tropomyosin,Myc-LZ,M,Ih,C,CH,AlP3;TM=M;SS=N; 4.59
 431087; H12723; Hs.290791; ESTs; ion_trans,none; 4.58
 425465; L18964; Hs.1804; protein kinase C, iota; pkinase,DAG_PE-bind,pkinase_C,OPR;TM=M;SS=N; 4.58
 422427; AA310514; Hs.96692; ESTs; PH,Ets,CH,spectrin,Ca_channel_B,none; 4.57
 10 441527; W19504; Hs.7884; solute carrier family 21 (organic anion ; OATP_N,OATP_C;TM=Y;SS=N; 4.56
 416464; NM_000132; Hs.79345; coagulation factor VIII, procoagulant co: Cu-oxidase,F5,F8_type_C; 4.56
 421233; AA209534; Hs.264243; telraspin NET-6 protein; transmembrane4;TM=Y;SS=M; 4.56
 422311; AF073515; Hs.114948; cytokine receptor-like factor 1; fn3;TM=M;SS=N; 4.55
 15 444895; AI674387; Hs.22891; solute carrier family 7 (cationic amino ; ASC,death,TNFR_c6; 4.55
 428141; D50402; Hs.182611; solute carrier family 11 (proton-coupled; Nramp;TM=Y;SS=N; 4.55
 410290; AA402307; Hs.322844; hypothetical protein DKFZp684A176; Sema,PSL,TIG,integrin_B;TM=Y;SS=M; 4.54
 428437; BE076537; Hs.169895; ubiquitin-conjugating enzyme E2L_6; Armadillo_seg,UQ_con,none; 4.54
 450088; AW016343; Hs.233401; ESTs; ank,death,ZU5,NMLU,none; 4.54
 20 438203; AL120659; Hs.6111; eryl-hydrocarbon receptor nuclear trans; HLH,PAS,IL8;TM=M;SS=N; 4.54
 414788; X78342; Hs.77313; cyclin-dependent kinase (CDC2-like) 10; pkinase;TM=M;SS=N; 4.53
 429109; AL008637; Hs.196352; neutrophil cytosolic factor 4 (40kD); SH3,OPR,PX;TM=M;SS=N; 4.53
 427657; NM_002659; Hs.179657; plasminogen activator,urokinase receptor; UPAR_LV6,ET,PLA2_1nt; 4.53
 411213; AA676939; Hs.69285; neuropilin 1; MAM,F5_F8_type_C,CUB,CUB,MAM,F5_F8_type_C; 4.53
 434158; TB6534; Hs.14372; ESTs; adenylylkinase,none; 4.52
 25 431941; AK000106; Hs.272227; Homo sapiens cDNA FLJ20099 fis, clone C0; pkinase,Furin-like,Recep_1_domain,none; 4.52
 447341; AF108941; Hs.16142; arrestin, beta 2; arrestin,arrestin_C,PX,PH,PLDC; 4.52
 447656; NM_003726; Hs.19126; src kinase-associated phosphoprotein of ; SH3,PH;TM=M;SS=N; 4.51
 417018; M16038; Hs.80887; v-yes-1 Yamaguchi sarcoma viral related ; SH2,SH3,pkinase;TM=M;SS=N; 4.51
 30 422893; X98411; Hs.380077; myosin I; SH3,myosin_head,IQ;TM=M;SS=N; 4.51
 407202; N58172; Hs.109370; ESTs; F5_F8_type_C,pkinase,Ets,none; 4.51
 447079; AA280057; Hs.105280; ESTs; Weakly similar to dJ963K23.2 [H.sa; zf-C2H2,zf-C3HC4,UIM;TM=M;SS=N; 4.51
 450747; AL064821; Hs.128953; ESTs; Highly similar to 1818357A EWS gen; mm,zf-RanBP,GAS2; 4.50
 419452; U33635; Hs.90572; PTK7 protein tyrosine kinase 7; Ig,pkinase;TM=Y;SS=M; 4.50
 453856; AA040709; Hs.379109; PDZ-LIM protein mystique; LIM,PDZ;TM=M;SS=N; 4.49
 35 432744; AA988835; Hs.38664; ESTs; none,none; 4.49
 419032; WB1330; Hs.98877; ESTs; Highly similar to JAK2B [H.sapiens; pkinase,SH2,Insulin,pkinase,SH2; 4.48
 444009; AI380792; Hs.135104; ESTs; TNFR_C6,TI,none; 4.48
 426416; AW612744; Hs.168824; killer cell lectin-like receptor subfamily; lectin_c;TM=Y;SS=M; 4.48
 40 412602; U41518; Hs.74602; aquaporin 1 (channel-forming integral pr; MIP;TM=Y;SS=M; 4.48
 447217; CB65754; Hs.17778; neuropilin 2; CUB,MAM,F5_F8_type_C;TM=M;SS=M; 4.47
 408771; AW732573; Hs.47584; potassium voltage-gated channel, delayed; effand,ion_trans,K_tetra,none; 4.47
 435049; AL122067; Hs.4746; hypothetical protein FLJ21324; none;TM=M;SS=N; 4.46
 413278; BE63085; Hs.833; interferon-stimulated protein, 15 kDa; ubiquitin; 4.45
 423904; AW403448; Hs.1706; interferon-stimulated transcription factor; IRF_zf-C3HC4,IR,zf-RanBP;TM=M;SS=N; 4.45
 45 434308; N51517; Hs.47282; ESTs; pkinase,pkinase_C,none; 4.45
 434448; WB26567; Hs.184581; Homo sapiens cDNA FLJ14821 fis, clone OV; pkinase,pkinase_C; 4.45
 417426; NM_002291; Hs.82129; laminin, beta 1; laminin_EGF,laminin_Nterm,integrin_B; 4.44
 417389; BE260964; Hs.82045; midkine (neurot growth-promoting factor; PTN_MKTM;M;SS=Y; 4.44
 430259; BE650182; Hs.375142; RaGEF-like protein 3, mouse homolog; fn3,RA,RasGEF;TM=M;SS=M; 4.44
 438001; AW903849; Hs.173840; HUEL (C4orf1)-Interacting protein; Ig;TM=M;SS=M; 4.44
 452355; N54926; Hs.29202; G protein-coupled receptor 34; 7m_1,OATP_C;TM=Y;SS=N; 4.43
 418751; BE389014; Hs.372548; phosphoinositide-3-kinase, regulatory sub; SH2,none; 4.43
 410068; AI633888; Hs.58435; FYN-binding protein (FYB-120/130); SH3;TM=M;SS=N; 4.43
 50 449861; AW266534; Hs.133100; ESTs; pkinase,Furin-like,Recep_1_domain,none; 4.42
 451734; NM_006176; Hs.26944; neurogranin (protein kinase C substrate; IQ,7m_1;TM=M;SS=N; 4.42
 410598; AI817130; Hs.9195; Homo sapiens cDNA FLJ13659 fis, clone PL; RasGEF,PRK; 4.42
 439411; AA044876; Hs.58043; ESTs; Weakly similar to CYA2_HUMAN ADENY; guanylate_cyc;TM=Y;SS=M; 4.42
 433179; AW362945; Hs.162459; ESTs; Armadillo_seg,none; 4.42
 60 414849; AW372721; Hs.291623; ESTs; Weakly similar to unnamed protein ; pkinase,none; 4.42
 409512; AW979187; Hs.293591; melanoma differentiation associated protein; DEAD,splicease_C,CARD;TM=M;SS=N; 4.41
 445903; AI347487; Hs.132761; class I cytokine receptor; fn3;TM=Y;SS=N; 4.41
 438507; AA809052; Hs.356627; ESTs; none,none; 4.41
 409524; AW402151; Hs.54873; tumor necrosis factor (ligand) superfamily; TNF;TM=Y;SS=M; 4.40
 65 453037; AA045175; Hs.17914; ESTs; none;TM=Y;SS=M; 4.40
 412228; AW503785; Hs.73792; complement component (3d/Epstein, Barr vi; sushi;TM=Y;SS=M; 4.40
 451035; AI076708; Hs.430; plastin 1 (Isoform); effand,CH,Adipen_N; 4.40
 416149; X12451; Hs.78056; cathepsin L; Peptidase_C1; 4.39
 406105; AW152207; Hs.270877; ESTs; Weakly similar to 138022 hypothesis; Y_phosphatase,carb_anhydride,DSPc,none; 4.39
 70 423099; NM_002287; Hs.123641; protein tyrosine phosphatase, receptor t; fn3,Y_phosphatase,DSPc,COX6C;TM=M;SS=M; 4.39
 436330; AW450572; Hs.257316; ESTs; pkinase,zf-C4,ERM,CNH,none; 4.39
 433437; U20536; Hs.3200; caspase 6, apoptosis-related cysteine pr; ICE_p10,ICE_p20;; 4.39
 429747; M87507; Hs.2490; caspase 1, apoptosis-related cysteine pr; CARD,ICE_p10,ICE_p20;; 4.39
 426410; BE298446; Hs.305890; BCL2-like 1; Bcl-2,BH4,none; 4.38
 75 434511; R26982; Hs.18108; ESTs; pkinase,Glyco_hydro_39; 4.38
 448898; AW156663; Hs.202422; caspase recruitment domain protein 6; CARD;TM=M;SS=N; 4.37
 447827; UT3727; Hs.19718; protein tyrosine phosphatase, receptor t; fn3,g,Y_phosphatase,MAM;TM=Y;SS=M; 4.36
 432583; AW023624; Hs.162282; potassium channel TASK-4; potassium chan; ion_trans,XCTM=Y;SS=M; 4.36
 413472; BE242870; Hs.75379; solute carrier family 1 (glial high aff; SDF;TM=Y;SS=M; 4.36
 80 426828; NM_000020; Hs.172670; activin A receptor type II-like 1; pkinase,Activin_recep;TM=M;SS=M; 4.36
 449444; AW818436; solute carrier family 16 (monocarboxylc,none;TM=Y;SS=M; 4.36
 437145; AF007216; Hs.5482; solute carrier family 4, sodium bicarbon; HCO3_cotransp;TM=Y;SS=N; 4.36
 429670; L01087; Hs.211583; protein kinase C, theta; DAG_PE-bind,pkinase,pkinase_C,DNA_pol_viral_N,PHD,DC1;TM=M;SS=N; 4.35
 421155; BE464560; Hs.133017; ESTs; none,none; 4.35

- 415758; BE270465; Hs.78793; protein kinase C, zeta; kinase,DAG_PE-bind,phosphatase_C,OPR; 4.35
 457001; JD3258; Hs.2062; vitamin D (1,25-dihydroxyvitamin D3) receptor; hormone_rec,zf-C4,Metallothio_5;TM=M;SS=N; 4.34
 419150; T29618; Hs.89540; TEK tyrosine kinase, endothelial (venous); EGF,m3,phosphatase,ig,kinase,EGF,DSI;TM=Y;SS=M; 4.34
 440675; AW005054; Hs.279788; ESTs, Weakly similar to KC11_HUMAN CALCI; kinase,none; 4.34
 5 429557; D13626; Hs.2465; KIAA0001 gene product; putative G-protein; 7tm_1;TM=Y;SS=M; 4.34
 414509; AW161311; Hs.76294; CD63 antigen (melanoma 1 antigen); transmembrane4;TM=Y;SS=M; 4.34
 426771; BE561776; Hs.159494; Bruton agammaglobulinemia tyrosine kinase; SH2,SH3,phosphatase,PH,BTK;TM=M;SS=N; 4.34
 452124; AA454220; Hs.61170; ESTs; kinase,none; 4.33
 10 407775; NM_004914; Hs.38772; RAB36, member RAS oncogene family; ns,art;TM=M;SS=N; 4.33
 452688; AA721140; Hs.49930; ESTs, Weakly similar to putative p150 [H]; SH3,none; 4.33
 434164; AW207019; Hs.148135; serine/threonine kinase 33; kinase;TM=M;SS=N; 4.32
 454530; R52656; Hs.21691; ESTs; 7tm_1,none; 4.32
 437527; AL241019; Hs.145644; ESTs; PIP5K,none; 4.32
 15 437763; AA468369; Hs.5831; tissue inhibitor of metalloproteinase 1; TIMP,kinase,DAG_PE-bind,RBD; 4.31
 416714; AF283770; Hs.79630; CD79A antigen (immunoglobulin-associated); Ig,ITAM,Zn_clus;TM=Y;SS=M; 4.31
 416269; AA177138; Hs.161671; ESTs; kinase,DAG_PE-bind,RBD,none; 4.30
 425458; H89317; Hs.182898; ESTs; ion_trans,none; 4.30
 424206; NM_003734; Hs.198241; amine oxidase, copper containing 3 (vest; Cu_amine_oxid,Cu_amine_oxidN2,Cu_amine_oxidN3;TM=M;SS=M; 4.29
 451876; T63141; ; gbyb99a12.1; Striagene lung (937210) H; SH3,none; 4.29
 20 417801; AA417383; Hs.82582; Integrin, beta-like 1 (with EGF-like rep; EGF; 4.29
 435240; AI025435; Hs.117532; ESTs; GHMP_kinases,none; 4.27
 444051; N48373; Hs.10247; activated leukocyte cell adhesion molec; none,none; 4.26
 423523; AW299826; Hs.193580; ESTs; none,none; 4.26
 25 426274; D88122; Hs.2007; tumor necrosis factor (ligand) superfamily; TNF;TM=Y;SS=N; 4.26
 426356; BE244879; Hs.155939; Inositol polyphosphate-5-phosphatase, 14; Exo_endo_phos,SH2;TM=M;SS=N; 4.26
 448386; AB037750; Hs.21061; KIAA1329 protein; PKD,BNRT;TM=Y;SS=M; 4.26
 418318; U447732; Hs.84072; transmembrane 4 superfamily member 3; transmembrane4;TM=Y;SS=M; 4.26
 427274; NM_005211; Hs.174142; colony stimulating factor 1 receptor; Ig,phosphatase;TM=Y;SS=M; 4.26
 416602; NM_008159; Hs.357895; Protein kinase C-binding protein NELL2; EGF,wvc,TSVN; 4.25
 30 438729; BE621807; Hs.351316; transmembrane 4 superfamily member 1; none;TM=Y;SS=M; 4.25
 436494; AA720997; Hs.128296; ESTs; none,CAP_GLY,HCO3_cotransp,Glyco_hydro_63,PH; 4.24
 438668; AI091277; Hs.302634; frizzled (Drosophila) homolog 8; Frizzled,Fz,7tm_2,toxin_2;TM=Y;SS=M; 4.24
 418255; AW135405; Hs.37251; ESTs; kinase,none; 4.24
 35 400328; X87344; transporters, 2, ATP-binding cassette, sub; none;TM=Y;SS=N; 4.24
 405121; ; mitogen-activated protein kinase 8 inter; Cys_knot,TGF-beta,wva,wvd,Tl,DUF139; 4.24
 425795; AJ000479; Hs.159543; EDG-6 (endothelial differentiation, G-p; 7tm_1;TM=Y;SS=M; 4.23
 406786; AW161678; Hs.111334; famin, light polypeptide; famin;TM=M;SS=N; 4.23
 449043; R85337; Hs.24030; solute carrier family 31 (copper transpo; none;TM=Y;SS=M; 4.23
 445657; AW612141; Hs.279575; Homo sapiens G-protein coupled receptor ; 7tm_1;TM=Y;SS=M; 4.23
 403795; AL040178; Hs.142003; ESTs; none,phosphatase,LRR,LRRCT; 4.22
 409142; AL136877; Hs.50758; SMC4 (structural maintenance of chromoso; ABC_tran,M,SMC_N,SMC_C,DUF164,none; 4.22
 447887; AA114050; Hs.216160; caspase 8, apoptosis-related cysteine pr; ICE_p10,ICE_p20,DED;TM=M;SS=N; 4.22
 417318; AW953937; Hs.240845; ESTs; SH3,PH,RhoGEF; 4.21
 45 424291; AL120051; Hs.144700; epiphin-B1; Ephrin;TM=Y;SS=M; 4.21
 408278; AF216955; Hs.44095; Homo sapiens, clone MGC12817, mRNA, com; none,none; 4.20
 432635; AA340854; Hs.278562; claudin 7; PMP22_Claudin;TM=Y;SS=M; 4.20
 424618; L29472; Hs.1802; major histocompatibility complex, class I; Ig,MHC_II_beta;TM=Y;SS=M; 4.19
 445633; AI453386; Hs.17287; ESTs, Weakly similar to S26689 hypothetical; IRK,none; 4.19
 50 432882; NM_013257; Hs.279698; serum/glucocorticoid regulated kinase-1; kinase,PX,phosphatase_C; 4.19
 425481; AW978162; Hs.372811; ESTs; none,Oxysterol_BP; 4.19
 429091; Y14039; Hs.195175; CASP8 and FADD-like apoptosis regulator; ICE_p20,DED;TM=M;SS=N; 4.18
 401083; ; NM_016582; Homo sapiens peptide transpor; PTR2;TM=Y;SS=M; 4.18
 420676; AI347480; Hs.4248; vav 2 oncogene; RhoGEF,PH,CH,SH2,SH3,DAG_PE-bind,none; 4.18
 55 424377; AF081675; Hs.146322; killer cell lectin-like receptor subfam; lectin_LC;TM=Y;SS=M; 4.17
 424148; BE242274; Hs.1741; integrin, beta 7; integrin_B,EGF,metallo,PSI;TM=Y;SS=M; 4.17
 421391; AW304350; Hs.191958; immunoglobulin superfamily receptor trans; Ig,none; 4.17
 452100; AI686968; Hs.379032; inositol polyphosphate-5-phosphatase, 75; Exo_endo_phos,RhoGAP,none; 4.17
 413965; X14034; Hs.75648; phospholipase C, gamma 2 (phosphatidylin; SH2,SH3,C2,PH,PI-PLC-Y,PI-PLC-X,PDGF;; 4.17
 60 422310; AA316622; Hs.98370; cytochrome P450, subfamily IIIS, polypept; none,phosphatase,fn3,jg; 4.17
 444034; AL161957; Hs.10177; pleckstrin homology domain interacting p; E1-
 E2_ATPase,Cation_ATPase,C,Calponin_ATPase,N,Hydrolyase,Ribosomal_S15,bromodomain,WD40;TM=M;SS=N; 4.16
 450056; BE047394; Hs.502; ESTs, Weakly similar to S71512 hypothetical; ABC_tran,ABC_membrane,ig,MHC_II_beta,SRP54,proteasome,ABC_membrane,ABC_tran; 4.16
 407245; X90568; Hs.172004; fib; fn3,jg,SGXXSG,phosphatase;TM=M;SS=N; 4.16
 65 418952; AA714835; Hs.271863; ESTs; RhogAP,SH2,phosphatase,POLO_box,none; 4.15
 410590; BE615216; Hs.64746; chloride intracellular channel 3; none;TM=M;SS=N; 4.15
 425743; BE396495; Hs.159428; BCL2-associated X protein; Bcl-2;TM=Y;SS=N; 4.15
 446957; AI699629; Hs.156781; ESTs; none,none; 4.14
 432176; AW090386; Hs.112276; arstin, beta 1; arrestin,arrestin_C,none; 4.14
 452571; W31518; Hs.34665; ESTs; none;TM=M;SS=N; 4.14
 425421; L11669; Hs.157145; tetracycline transporter-like protein; sugar_Ir;TM=Y;SS=M; 4.14
 410887; U24389; Hs.65436; lysyl oxidase_Beta_1; Lysyl_oxidase; 4.14
 417871; AA521358; Hs.24252; ESTs; IBB_Armadillo_seq,none; 4.13
 429819; AL133011; Hs.253920; Homo sapiens mRNA; cDNA DKFZp434P201 (ir; none,none; 4.12
 70 424522; AL134847; Hs.149597; ribosomal protein S8 kinase, 90kD, poly; kinase,phosphatase_C; 4.12
 429623; NM_005308; Hs.211569; G protein-coupled receptor kinase 5; kinase,RS5;TM=M;SS=N; 4.12
 413019; BE281604; Hs.75140; low density lipoprotein-related protein-; none;TM=M;SS=Y; 4.12
 434071; AF116653; Hs.34192; Homo sapiens PRO0823 mRNA, complete cds; none;TM=M;SS=N; 4.11
 434779; AF153815; Hs.50151; potassium inwardly-rectifying channel, s; IRK;TM=Y;SS=N; 4.11
 449556; AA002008; Hs.188633; ESTs; PIP5K,none; 4.11
 80 406403; ; NM_002162; Homo sapiens intercellular ad; Ig;TM=Y;SS=M; 4.10
 427732; NM_002980; Hs.2199; secretin receptor; 7tm_2,HRM;TM=M;SS=M; 4.10
 437608; AA761605; Hs.292308; ESTs, Weakly similar to ALU1_HUMAN ALU S; kinase,RIO1,none; 4.10
 432885; AA595607; Hs.368129; ESTs, Weakly similar to ALU1_HUMAN ALU S; kinase,phosphatase_C,none; 4.10

411190; AA306342; Hs.69171; protein kinase C-like 2; *pklnase*,*pklnase_C*,*HR1*,*TM=M*,*SS=N*; 4.10
 418342; BE002723; Hs.334330; *lecpin receptor*; *ICE_p20*,*DED*,*ICE_p10*,*ICE_p20*,*DED*; 4.10
 424909; S78187; Hs.153752; cell division cycle 25B; *Rhodanase*; 4.10
 435905; AW997484; Hs.5003; KIAA0456 protein; SH3,RhoGAP,FCH,*TM=M*,*SS=N*; 4.10
 5 422278; AF028783; Hs.14218; *frizzled* (*Drosophila*) homolog 6; *Fz*,*Frizzled*,*7tm_2*,*TM=Y*,*SS=M*; 4.10
 437952; DE3209; Hs.5944; *solute carrier family 11* (proton-coupled; none); *TM=Y*,*SS=M*; 4.10
 432827; Z68128; Hs.3108; *Rho GTPase activating protein 4*; *FCH*,*RhoGAP*,*SH3*,*TM=M*,*SS=N*; 4.09
 435140; AA66B123; Hs.134170; ESTs; none,none; 4.09
 10 422627; BE336857; Hs.118787; *transforming growth factor, beta-induced*; *Fasciclin*,*ABC_tran*,*ABC_membrane*,*GTP_EFTU*,*TM=M*,*SS=M*; 4.08
 428483; AI908539; Hs.184592; KIAA0344 gene product; none,none; 4.08
 446232; AI281848; Hs.194691; *retinoic acid induced 3*; *7tm_3*,*none*; 4.07
 431674; AA098901; Hs.301642; *G-protein coupled receptor*; *none*,*GCV_H*; 4.07
 15 409686; AK000002; Hs.55879; *Homo sapiens* mRNA; cDNA DKFZp43L0827 (f); *ABC_Iran*,*ABC_membrane*,*TM=M*,*SS=M*; 4.07
 441518; AW161697; Hs.294150; ESTs; *Y_phosphatase*,*DPc*,*none*; 4.07
 442599; AF078037; Hs.324051; *RelA-associated inhibitor*; SH3,anik,*TM=M*,*SS=N*; 4.06
 16 436982; AB018305; Hs.5378; *spondin 1, (l-spondin) extracellular mat*; *lsp_1*,*Reeler*; 4.05
 420361; NS2054; Hs.194718; *zinc finger protein 285*; *zf-RanBP*,*7tm_1*; 4.05
 439549; AW937885; Hs.137314; ESTs; SH2,none; 4.04
 20 419981; AA897681; Hs.128773; ESTs; *pklnase*,*DAG_Pe_bind*,*pklnase_C*,*OPR*,*none*; 4.04
 418839; AI655499; Hs.161712; ESTs; *pklnase*,*Activin_recip*,*PDZ*,*ZU5*,*death*; 4.04
 408808; AW947814; Hs.75608; *Homo sapiens* cDNA FLJ21532 fts, clone C; SH3,*PDZ*,*Guanylate_kin*,*none*; 4.04
 432106; NS6323; Hs.269698; ESTs; *Weakly similar to RETROVIRUS-RELAT*; SH3,*PDZ*,*Guanylate_kin*,*none*; 4.03
 426086; T94907; Hs.188572; ESTs; PH,Ets,C1,specrin,Ca_channel_B,none; 4.03
 25 418203; X54942; Hs.83758; *CDC28 protein kinase 2*; *CKS*,*4.03*
 412270; AC005262; Hs.73787; *guanine nucleotide binding protein (G protein) G-alpha,erif*,*TM=M*,*SS=N*; 4.03
 416350; AF188625; Hs.189507; *phospholipase A2, group IID*; *phoslip*,*TM=M*,*SS=Y*; 4.02
 434457; AF141332; Hs.200333; *apolipoprotein B48 receptor*; *none*,*TM=M*,*SS=N*; 4.02
 414271; AK000275; Hs.75871; *protein kinase C binding protein 1*; *brromodomain*,*PHD*,*PWWP*,*zf-MYND*,*TM=M*,*SS=N*; 4.02
 30 425594; US1333; Hs.159237; *hexokinase 3* (white cell); *hexokinase_hexokinase2*,*TM=M*,*SS=N*; 4.02
 449943; AF104268; Hs.24212; *lrophillin*; *7tm_2*,*GPS*,*Gel_Lectin*,*OLF*,*Lrophillin*,*HRM*,*TM=Y*,*SS=M*; 4.01
 408938; AA069013; Hs.22607; ESTs; *fn3*,*Y_phosphatase*,*carb_anhydride*,*none*; 4.01
 426839; M74782; Hs.172669; *interleukin 3 receptor, alpha (low affinity)*; *none*,*TM=M*,*SS=M*; 4.00
 422282; AF019225; Hs.114309; *apolipoprotein L; MotA_ExbB*,*TM=Y*,*SS=M*; 4.00
 35 410726; AI623859; Hs.15936; ESTs; *pklnase*,*pro_isomerase*,*none*; 4.00
 428318; BE300110; Hs.183842; *ubiquitin_B*; *Ipocaslin*,*eldech*,*ubiquitin*,*JRK*; 4.00
 440188; AK001812; Hs.7036; *N-Acetylglucosamine kinase*; *ROK*,*TM=M*,*SS=N*; 3.99
 429952; AF080158; Hs.22607; *inhibition of kappa light polypeptide gene*; *pklnase*,*ubiquitin*,*Enterotoxin_A*,*PHO4*,*pklnase*,*ubiquitin*; 3.99
 414700; H63202; Hs.38163; ESTs; *7tm_1*,*TM=M*,*SS=M*; 3.99
 40 432269; NM_002447; Hs.2942; *macrophage stimulating 1 receptor (c-met)*; *pklnase*,*Sema*,*PS1*,*TIG_A4_EXTRA*,*TM=M*,*SS=M*; 3.99
 456362; AW973003; Hs.179909; *hypothetical protein FLJ22985*; *none*,*TM=M*,*SS=N*; 3.98
 427541; A1798983; Hs.375935; *solute carrier family 35 (CMP-sialic acid)*; *none*,*none*; 3.98
 440248; AA876138; Hs.369458; ESTs; SH2,none; 3.98
 437400; AB011542; Hs.6559; *EGF-like-domain, multiple 5*; *TNFR_c6*,*laminin_EGF*,*TM=Y*,*SS=M*; 3.98
 452562; D87119; Hs.155418; GS3955 protein; *pklnase*; 3.98
 45 420166; AW732276; Hs.95563; *transmembrane 4 superfamily member (tetra)*; *transmembrane4*,*TM=Y*,*SS=M*; 3.98
 437151; AA745518; Hs.380121; *BANP homolog*, *SMAR1 homolog*; *none*,*none*; 3.98
 443574; US89933; Hs.321709; *purinergic receptor P2X, ligand-gated 10*; *P2X_receptor*,*TM=Y*,*SS=M*; 3.97
 449027; AJ271216; Hs.22880; *dipeptidyl-peptidase III*; *Peptidase_M49*,*EGF_jg*,*Neuregulin*,*TM=M*,*SS=N*; 3.97
 50 411574; BE242842; Hs.6780; *protein tyrosine kinase 9-like (A6-relat)*; *LRR*,*LRRC7*,*TIR*,*coifin_ADF*,*TM=M*,*SS=N*; 3.97
 432639; AW973785; *pb*,*EST*858866 *MAGE* resequences, *MAGM* *Hom*; *none*,*none*; 3.97
 457675; AF119917; Hs.308574; *Homo sapiens* PRO3098 mRNA, complete cds; *none*; 3.97
 445701; AF055581; Hs.13131; *lymphocyte adaptor protein*; SH2,PH,*TM=M*,*SS=N*; 3.96
 437157; BE048860; Hs.17287; ESTs; IRK,none; 3.96
 55 453641; AA444140; Hs.90360; ESTs; *Cbl_N1*,*Cbl_N2*,*Cbl_N3*,*UBA*,*zf-C3HC4*,*none*; 3.96
 446714; W73818; Hs.110028; ESTs; *7tm_1*,*7tm_1*; 3.96
 427848; AF376722; Hs.180626; *prosome, macropain* subunit; *prosome*; 3.96
 453666; AL110328; Hs.304679; ESTs; *Moderately similar to Z195_HUMAN Z*; *none*,*lecfin*,*o_lig Chan*; 3.96
 457718; F18572; Hs.22978; ESTs; *Weakly similar to ALU4_HUMAN ALU S*; *pklnase*,*pklnase*; 3.95
 60 428727; AF078847; Hs.78452; *general transcription factor IIH, polype*; *PHO4*,*UM*,*TM=M*,*SS=N*; 3.95
 435411; AW444619; Hs.188211; ESTs; *none*,*pklnase*; 3.94
 440209; H050495; Hs.247837; *neurodin 3*; *laminin_G*,*EGF*,*none*; 3.94
 416636; N32536; Hs.42646; *solute carrier family 16 (monocarboxylate)*; *none*,*none*; 3.94
 435272; AA906415; Hs.110041; ESTs; *none*,*pklnase*; 3.93
 65 402550; *Target Exon*; *none*,*none*; 3.93
 426233; 217861; Hs.155216; *E1B-55KDa-associated protein 5*; *SPRY*,*SAP*,*pklnase*,*fn3*,*lg*; 3.93
 410073; AL408163; Hs.58488; *catenin (cathelin-associated protein)*,*alpha*; *Stathmin*,*Vinculin*; 3.92
 453546; AL079983; Hs.115774; *integrin, alpha 1*; *none*,*WIF*,*FG_GAP*,*integrin_A*; 3.92
 417226; AW505054; Hs.4283; ESTs; *pklnase*,*RGS*,*PH*,*myosin_head*,*Myosin_tail*; 3.92
 70 446755; AW451473; Hs.16134; *serine/threonine kinase 10*; *pklnase*,*TYA*,*TM=M*,*SS=N*; 3.92
 452344; AJ264357; Hs.65405; *hypothetical protein MGC16212*; *Sulfate_transp*,*STAS*; 3.92
 418516; NM_006218; Hs.65701; *phospholipid-3-kinase, catalytic, alpha*; *PI3K*,*P14_kinase*,*PI3K_C2*,*PI3K_b1d*,*PI3K_p85B*,*none*; 3.91
 423069; W15513; Hs.1613; *adenosine A2a receptor*; *7tm_1*,*TM=Y*,*SS=M*; 3.91
 75 414443; AU077268; Hs.76144; *platelet-derived growth factor receptor*,*ig*,*pklnase*,*TM=Y*,*SS=N*; 3.91
 434392; AW983708; Hs.250824; *Homo sapiens* cDNA: FLJ23435 fts, clone C; *pklnase*,*pklnase*; 3.91
 428615; AF258627; Hs.211562; *ATP-binding cassette, sub-family A (ABC1)*; *ABC_tran*,*TM=Y*,*SS=M*; 3.91
 414774; X02419; Hs.77274; *plasminogen activator, urokinase*; *kringle*,*trypsin*,*plant_ltholins*; 3.91
 442831; AJ798952; Hs.131688; ESTs; *ABC_Iran*,*PRK*,*ABC_Iran*; 3.91
 441657; BE314606; Hs.7936; *BAH-associated protein 2*; SH3,*TM=M*,*SS=N*; 3.91
 80 438698; AW297855; Hs.361171; ESTs; *Weakly similar to I3B022 hypothesis*; *lipoxygenase*,*PLAT*,*none*; 3.90
 447560; AF065214; Hs.18858; *phospholipase A2, group IV (cytosolic)*; *PLA2_B*,*TM=M*,*SS=N*; 3.90
 437897; AA770581; Hs.146170; *hypothetical protein FLJ22989*; *z-DHHC*,*none*; 3.89
 429379; NM_014840; Hs.200598; KIAA0537 gene product; *pklnase*,*RIO1*,*TM=M*,*SS=N*; 3.89
 410179; W27723; Hs.59498; *cell division cycle 2-like 5 (cholinester*; *pklnase*; 3.89

428713; AA432067; Hs.268551; ESTs, Moderately similar to CYA4 RAT ADE; kinase; 3.89
 456629; AW891965; Hs.367942; histone deacetylase 3; HSP90_HATPase_c zf-C2H2_PHD;none; 3.89
 425190; AW028302; Hs.155079; protein phosphatase 2, regulatory subunit; B56;TM=M;SS=N; 3.89
 5 426752; X69490; Hs.172004; fn3 Ig, kinase, SGXXSG;TM=M;SS=N; 3.89
 417767; BE242241; Hs.82542; acylxoyacyl hydrolase (neutrophil); Upaso_GDSL;TM=M;SS=M; 3.89
 414029; BE297731; Hs.75708; mannose-6-phosphate receptor (cation dep; Man-6-P_recep);TM=M;SS=M; 3.88
 416140; AI918035; Hs.301198; roundabout (axon guidance receptor, Dros; none,none; 3.88
 434224; AA380731; Hs.84; interleukin 2 receptor, gamma (severe co; fn3;TM=Y;SS=M; 3.88
 10 410011; AB020641; Hs.57856; PFTAIR; protein kinase 1; kinase;TM=M;SS=N; 3.87
 405908; Z28437; gb:Hsaplens protein-lysine kinase gen; none,none; 3.87
 425289; AW139342; Hs.155530; interferon, gamma-inducible protein 16; PAAD_DAPIN, HIN; 3.87
 441859; AW194364; Hs.9877; Interleukin-4 induced gene 1 protein (f); Amino_acidase,FAD_binding_3,TBC;TM=M;SS=N; 3.87
 439375; AW328081; Hs.5817; Inosine triphosphatase (nucleoside triph; Ham1p_1;TM=M;SS=N; 3.87
 15 415392; Z44067; Hs.10957; ESTs, PIP5K;none; 3.86
 416033; NM_012201; Hs.78979; Golgi apparatus protein 1; cys_rich_FGFR;TM=Y;SS=M; 3.86
 414649; AJ672727; Hs.76753; endoglin (CD105 antigen) (ENG); none;TM=Y;SS=M; 3.85
 20 425729; L22647; Hs.159350; prostaglandin E receptor 1 (subtype EP1); 7tm_1;TM=Y;SS=M; 3.85
 414496; W73853; Hs.355424; ESTs; kinase,F5_F8_type_C,adh_short;none; 3.84
 412204; AI225607; Hs.24937; ESTs; ig,rrm,none; 3.84
 25 434375; BE279910; Hs.3833; 3'-phosphoadenosine 5'-phosphosulfate sy; APS_kinase,ATP-citrylase,PRK,Thymidylate_kin; 3.84
 444981; AW855398; Hs.122137; hypothetical protein FLJ31372 similar to; SH2;TM=M;SS=N; 3.84
 412109; M23892; Hs.73809; arachidonate 15-lipoxygenase; lipoxygenase,PLAT; 3.84
 405545; ; Target_Exon; ABC_Iran,SRP54,ABC_membrane;TM=Y;SS=M; 3.84
 407143; C14076; Hs.332329; EST; none;TM=Y;SS=M; 3.84
 25 420593; AA280356; Hs.187634; ESTs; B56;none; 3.84
 413420; AW410235; Hs.75348; proteasome (prosome, macropain) activator; PA28_alpha,PA28_beta,biopterin_H; 3.83
 448253; H25898; Hs.201591; ESTs; 7tm_2,HRM;none; 3.83
 30 444042; NM_004916; Hs.10237; ATP-binding cassette, sub-family G (WHIT; ABC_Iran,PRK,GBP;TM=Y;SS=N; 3.83
 430397; AI924533; Hs.105607; bicarbonate transporter related protein ; HCO3_cotransp;TM=Y;SS=N; 3.83
 423067; AA321355; Hs.285401; colony stimulating factor 2 receptor, bc; fn3;TM=Y;SS=M; 3.83
 458188; AW297226; Hs.137840; ESTs, Moderately similar to SIX4_HUMAN H; kinase,WD40; 3.82
 426488; BE178285; Hs.170058; Homo sapiens mRNA; cDNA DKFZp588B0220 (f; kinase,none; 3.82
 428791; AA435661; Hs.264750; ESTs; zf-C3H4;none; 3.82
 35 438068; AI927209; Hs.306210; Homo sapiens cDNA: FLJ23133 fis, clone L; NubG; 3.82
 453370; AI470523; Hs.139336; ATP-binding cassette, sub-family C (CFTR; ABC_ban,ABC_membrane;TM=Y;SS=N; 3.82
 419250; AW770185; Hs.356066; U5 snRNP-specific protein, 116 kD; 7tm_1,BAH,zf-CXXC,DNA_methylase; 3.82
 410017; AW952426; Hs.109438; Homo sapiens clone 24765 mRNA sequence; none,none; 3.82
 420679; X57152; Hs.165843; fibrillarin; CK_I,Il_beta,Fibrillarin,WD40;TM=M;SS=N; 3.82
 40 417916; NM_006416; Hs.82921; solute carrier family 35 (CMP-sialic acid); DUF6;TM=Y;SS=M; 3.81
 425923; NM_005028; Hs.162808; phosphoinositide-3-kinase, catalytic, delta; none,none; 3.81
 417365; D56083; Hs.82028; transforming growth factor, beta receptor; kinase,WD40;TM=Y;SS=N; 3.81
 414521; D28124; Hs.76307; neuroblastoma, suppression of tumorigen; DAN;TM=M;SS=M; 3.82
 422398; AI476149; Hs.33449; hypothetical protein FLJ21992; SH2,SH3; 3.81
 45 418432; M14158; Hs.85112; insulin-like growth factor 1 (somatomed; Insulin; 3.80
 459705; BE082764; Hs.270252; ESTs, Weakly similar to androgen receptor; none,C2,WW,HECT; 3.80
 425009; X58285; Hs.154151; protein tyrosine phosphatase, receptor type; fn3;Y_phosphatase,MAM;TM=Y;SS=M; 3.80
 415617; U88967; Hs.78867; protein tyrosine phosphatase, receptor-type; fn3;Y_phosphatase,carb_enhydrolase;TM=Y;SS=M; 3.80
 50 433336; AF017986; Hs.31386; secreted frizzled-related protein 2 (str_Fz,NTR; 3.84
 428125; X87241; Hs.165994; FAT tumor suppressor (Drosophila) homolog; EGF,cadherin, laminin_G;TM=Y;SS=M; 3.11
 419721; NM_001650; Hs.315369; aquaporin 4; MIP;none; 2.99
 433147; AF091434; Hs.43080; platelet derived growth factor C; PDGF,CUB; 2.91
 417976; BE565892; Hs.83077; interleukin 18 (interferon-gamma-inducin; none;TM=M;SS=N; 2.89
 439180; AI393742; Hs.199067; v-erb-b2 avian erythroblastic leukemia v; Fcrl-like,kinase,Recep_I_domain,Fcrl-like,kinase,Recep_I_domain,Peptidase_M24; 2.69
 55 426156; NM_001982; Hs.199057; v-erb-b2 avian erythroblastic leukemia v; Fcrl-like,kinase,Recep_I_domain,Fcrl-like,kinase,Recep_I_domain,Peptidase_M24; 2.23
 411089; AA456454; Hs.355702; cell division cycle 2-like 1 (PTSLRE pr; none,none; 2.07
 428800; M57627; Hs.193717; interleukin 10; IL10; 1.10

TABLE 40B

60 Pkey: Unique Eos probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

65 456034 685586_1 AA136653 AA136656 AW450979 AA884358 AAB09054 AW238038 AA492073 BE168945
 459702 539529_1 BG207209 BE166299 AI204995 BG199355 AW969908 AA528756 AW440776 BI044354
 432222 539529_1 BG207209 BE166299 AI204995 BG199365 AW969908 AA628766 AW440776 BI044354
 414991 1785136_1 D78381 C17898 D78883
 70 408745 MH1944_5 D78381 C17898 D78883
 BI030979 AA921874 AW188822 BI027862 AI347618 AI361453 AI088754 AW207491 AA077391 BG012775 BG997382 AA286833 AA150722 BI007625
 BI027864 BI009100 BI006275 BI006270 BI031000 BI029864 BI006277 BI007627 BI006266 BI006991 BI006990 BI007763 BI007762 BG997377
 AA150780 BI033618 BI027818 BG015789 BI033807 AA341445
 414936 1782049_1 C14774 C17911 D79033
 451876 2328579_1 T63141 AI821021 BF370092 BF370127 BF370060 T62998
 75 432639 1237887_1 AW973785 H60163 AA557608

TABLE 40C

80 Pkey: Unique number corresponding to an Eos probeset
 Ref: Sequence source. The 7 digit numbers in this column are Genbank identifier (G) numbers. "Dunham I. et al." refers to the publication entitled "The DNA sequence of human chromosome 22." Dunham I. et al., *Nature* (1995) 402:489-495.
 Strand: Indicates DNA strand from which exons were predicted.
 Nt_position: Indicates nucleotide positions of predicted exons.

	Pkey	Ref	Strand	Nt_position
5	402474	7547175	Minus	53526-53628,55755-55920,57530-57757
	404240	5002624	Minus	116132-116407,116653-116922
	405102	8076881	Minus	120922-121286
	405121	8102330	Minus	35816-36004,36587-36884
10	401083	3242744	Plus	33192-33360
	406403	9256305	Minus	151426-151680
	402550	7652009	Minus	80413-80673
	405545	1054740	Plus	118677-118807,119091-119286,121626-12182

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TABLE 41A: 556 GENES UP-REGULATED IN PANCREATIC TUMORS OR PANCREATITIS RELATIVE TO NORMAL TISSUES

Table 41A lists about 556 genes up-regulated in pancreatic tumors or pancreatitis relative to normal tissues. These genes were selected from 59580 probesets on the Eos/Affymetrix Hu36 Genachip array.

	Pkey	ExAccn	UnigeneID	Unigene Title	R1
30	412228	AW503785	Hs.73792	complement component (3d)Epstein Barr virus	7.25
	431462	AW563672	Hs.256311	granin-like neuropeptide precursor	1.64
	444895	AJ272265	Hs.12230	secreted phosphoprotein 2, 24kD	3.68
	453863	X02544	Hs.572	prosomatoid 1	114.18
	441031	AI110684	Hs.7845	fibrinogen, B beta polypeptide	922.40
35	421344	AW631030	Hs.103685	villin-like	2.19
	416018	AW138239	Hs.78977	protein convertase subtilisin/kexin type 1	61.10
	438091	AW373062	Hs.83623	nuclear receptor subfamily 1, group 1, member 1	607.40
	418888	AU076801	Hs.89436	cadherin 17, L1 cadherin (liver-intestin)	228.20
	418869	W33191	Hs.28907	hypothetical protein FLJ20258	4.97
40	443162	T48951	Hs.9029	DKFZP434G032 protein	38.01
	423096	AA732684	Hs.278428	progesin induced protein	189.60
	413719	BE439580	Hs.75498	small inducible cytokine subfamily A (Cytokine)	11.08
	448243	AW369771	Hs.52620	integrin, beta 8	116.90
	421044	AF061871	Hs.311736	Human DNA sequence from clone RP1-238D15	21.52
45	407768	BE514982	Hs.38991	S100 calcium-binding protein A2	8.74
	422857	L32137	Hs.1584	cartilage oligomeric matrix protein (COM)	3.11
	432467	T03657	Hs.239388	Human DNA sequence from clone RP1-304B14	307.70
	457059	BE561665	Hs.177677	exosome component Rrp40	33.60
	451945	BE504055	Hs.211420	ESTs	7.31
50	453354	W55946	Hs.234863	Homo sapiens cDNA FLJ12082 fts, clone HE	133.70
	443247	BE514587	Hs.333893	c-Myc target JPO1	349.10
	410132	NM_003480	Hs.300945	Microfibril-associated glycoprotein-2	330.00
	416984	H38785	Hs.80706	diaphorase (NADH/NADPH) (cytochrome b-5)	3.78
55	413835	A1272727	Hs.249163	fatty acid hydroxylase	3.53
	433790	BE298215	Hs.288958	RAB22A, member RAS oncogene family	73.90
	414774	X02419	Hs.77274	plasminogen activator, urokinase	3.38
	410539	BE269047	Hs.65234	hypothetical protein FLJ20596	1.72
	410541	AA065003	Hs.64179	syntenin-2 protein	10.29
60	427722	AK000123	Hs.180479	hypothetical protein FLJ20118	6.79
	429612	AF082649	Hs.252587	pituitary tumor-transforming 1	4.62
	407604	AW191962	Hs.249239	collagen, type VIII, alpha 2	368.30
	431193	AW749505	Hs.296770	KIAA1719 protein	6.39
	442050	AW444761	Hs.44565	ESTs	118.00
65	427670	BE612888	Hs.180224	myosin regulatory light chain	2.73
	446921	AB012113	Hs.16530	small inducible cytokine subfamily A (Cytokine)	647.30
	419551	AW582256	Hs.91011	anterior gradient 2 (Xenopus laevis) homolog	738.90
	441633	AW958544	Hs.1122242	normal mucosa of esophagus specific 1	68.43
	407792	AJ077715	Hs.39384	putative secreted ligand homologous to fibronectin type III	3.03
	419216	AU076718	Hs.164021	small inducible cytokine subfamily B (Cytokine)	7.73
70	416913	AW934714	Hs.25130	gb:RC1-DT0001-031239-011-a11 DT0001 Homo	227.30
	418384	AW149265	Hs.25130	Homo sapiens cDNA FLJ14923 fts, clone PL	115.60
	452355	N54926	Hs.29202	G protein-coupled receptor 34	192.20
	419481	AJ879195	Hs.90606	15 kDa selenoprotein	119.90
	407230	AA157857	Hs.182265	keratin 19	12.11
75	418526	BE019020	Hs.85838	solute carrier family 16 (monocarboxylic acid transporter)	6.63
	427585	D31152	Hs.179729	collagen, type X, alpha 1 (Schmid metapathic)	692.10
	411498	NM_014210	Hs.70493	ectropic viral integration site 2A	120.40
	445517	AF208855	Hs.12830	hypothetical protein	117.40
	446519	AU076643	Hs.313	secreted phosphoprotein 1 (osteopontin, osteonectin)	4.25
80	428385	AF112213	Hs.184062	putative Rab5-interacting protein	3.12
	448633	BE614599	Hs.106823	hypothetical protein MGC14797	135.20
	406867	AA157857	Hs.182265	keratin 19	11.32
	417426	NM_002291	Hs.82124	laminin, beta 1	406.20

406366	AF026692	Hs.105700	secreted frizzled-related protein 4	0.62	
401201	#[NOCAT]		Target Exon	0.75	
420767	AF072711	Hs.99918	carboxyl ester lipase (bile salt-stimula	0.63	
405556	Y09306	Hs.30148	homeodomain-interacting protein kinase 3	0.75	
5	442776	AV959498	Hs.8709	chymotrypsin C (caldech)	0.67
	405555	Y09306	Hs.30148	homeodomain-interacting protein kinase 3	0.83
	403207	#[NOCAT]	C2000950:gi|131432|sp|P23132|LTH_BOVIN	0.80	
	427858	NM_001971	Hs.21	elastase 1, pancreatic	0.98
10	426004	AV600300	Hs.124123	ESTs, Moderately similar to SYN1 RAT SYN	0.88
	401541	NA		Target Exon	0.91
	429793	AI417638	Hs.114648	estrogen regulated gene 1	0.85
	423068	M25629	Hs.123107	kallikrein 1, renal/pancreas/salivary	0.81
	433110	D56494	Hs.3181	rat regenerating islet-derived-like, hum	0.72
15	425988	BE045897	Hs.274454	ESTs, Weakly similar to I36022 hypotheli	0.95
	416768	AA363733	Hs.1032	regenerating islet-derived 1 alpha (panc	0.87
	412470	M93203	Hs.73923	pancreatic lipase-related protein 1	0.89
	431969	AA366217	Hs.2879	carboxypeptidase A1 (pancreatic)	0.97
	419219	AV583139	Hs.89717	carboxypeptidase A2 (pancreatic)	0.95
20	412688	AW583062	Hs.74502	chymotrypsinogen B1	0.95
	427811	M81057	Hs.180884	carboxypeptidase B1 (tissue)	1.07
	420937	AW966719	Hs.1340	colipase, pancreatic	0.99
	418068	AW971155	Hs.293802	ESTs, Weakly similar to ISRUSS protein d	1.02
	410839	NM_006049	Hs.65501	protein disulfide isomerase	1.00
25	437986	AA774575	Hs.121776	testis expressed sequence 11	1.02
	415934	NM_000928	Hs.992	phosphoprotein A2, group 1B (pancreas)	1.06
	427955	D00306	Hs.181269	elastase 3, pancreatic (protease E)	1.22
	406399	#[NOCAT]		NM_003122*:Homo sapiens serine protease	1.08
	426230	AA357019	Hs.241395	protease, serine, f (trypsin 1)	1.11
30	414051	NM_006699	Hs.300280	amylase, alpha 2A; pancreatic	1.22
	421243	AW873803	Hs.102876	pancreatic lipase	1.13
	419283	AW583074	Hs.69832	insulin	1.12
	424208	AW583123	Hs.143113	pancreatic lipase-related protein 2	1.13
	408983	NM_000492	Hs.663	cystic fibrosis transmembrane conductanc	1.32
35	436217	T53925	Hs.107	fibrinogen-like 1	1.72
	435975	AL118990	Hs.41997	alpha-1-B glycoprotein	1.60
	431330	X69532	Hs.2777	inter-alpha (globulin) inhibitor, H1 pol	2.02
	414463	T69078	Hs.76177	alpha-1-microglobulin/bikunin precursor	1.82
	416003	M11437	Hs.77741	kininogen	3.83
40	422281	M36803	Hs.1504	hemopexin	2.14
	414910	X12662	Hs.289057	arginase, liver	97.90
	417296	L36196	Hs.81884	sulfotransferase family, cytosolic, 2A,	236.70
	400836	#[NOCAT]		Target Exon	2.47
45	452983	L32140	Hs.531	epifanin	117.10
	419768	T72104	Hs.93194	epoipoprotein A-I	4.87
	413841	M34276	Hs.76576	plasminogen	374.00
	400560	#[NOCAT]		NM_030878*:Homo sapiens cytochrome P450,	144.50
	419502	AL076704	Hs.90765	thrombinogen, A alpha polypeptide	266.50
	425746	NM_001701	Hs.159440	bile acid Coenzyme A: amino acid N-acyl	77.80
50	426205	D63521	Hs.167877	leukocyte cell-derived chemotaxis 2	169.80
	414590	NM_000506	Hs.76530	coagulation factor II (thrombin)	3.60
	443614	AV655386	Hs.7645	fibrinogen, B beta polypeptide	400.40
	429023	NM_000312	Hs.2351	protein C (inactivator of coagulation fa	4.72
	428311	NM_005651	Hs.183671	tryptophan 2,3-dioxogenase	5.26
55	425260	L47726	Hs.1870	phenylalanine hydroxylase	73.78
	443316	A1478453	Hs.18443	aldehyde dehydrogenase 6 family, member	182.20
	413318	AU076807	Hs.75285	inter-alpha (globulin) inhibitor, H2 pol	335.00
	413829	NM_001872	Hs.75572	carboxypeptidase B2 (plasma)	173.40
	421126	M74587	Hs.102122	insulin-like growth factor binding prote	565.30
60	407731	NM_000066	Hs.38069	complement component 8, beta polypeptide	86.20
	413585	A1133452	Hs.75431	fibrinogen, gamma polypeptide	477.20
	452624	AU076808	Hs.30054	coagulation factor V (prothrombin, labl	201.50
	416402	NM_000715	Hs.1012	complement component 4-binding protein,	426.10
	425573	AB006423	Hs.158308	serine (or cysteine) proteinase inhibito	1.10
65	421905	A1650247	Hs.32699	ESTs, Weakly similar to LIV-1 protein [H	0.62
	406572	M26041	Hs.198253	major histocompatibility complex, class	4.02
	431369	BE184455	Hs.251754	secretory leukocyte protease inhibitor (	5.34
	421712	AK000140	Hs.107139	hypothetical protein	5.62
	417233	W25005	Hs.24395	small inducible cytokine subfamily B (Cy	8.85
70	442896	R37725	Hs.261108	ESTs	157.70
	410568	AA373210	Hs.43047	Homo sapiens cDNA FLJ13585 fs, clone PL	137.70
	428486	AW583497	Hs.184604	pancreatic polypeptide	2.59
	457499	A1693815	Hs.127179	cryptic gene	3.23
	404868	NA		ENSP0000251112*:Sodium/potassium-transp	2.84
	432874	W94322	Hs.279851	melanoma inhibitory activity	2.48
75	445891	AW391342	Hs.199460	ESTs	70.3B
	404682	NA		C9001188*:gi|12738842|ref|NP_073725.1| p	1.3B
	429547	AW009166	Hs.99376	ESTs	6.85
	441085	AW136551	Hs.181245	Homo sapiens cDNA FLJ12532 fs, clone NT	5.21
	422397	AJ223365	Hs.116051	Homo sapiens cDNA: FLJ22495 fs, clone H	1.74
80	446868	AV660737	Hs.135100	ESTs	102.10
	404287	NA		CG001909:gi|704441|gb|BA18908.1| (D298	242.70
	443267	AW450630	Hs.133851	ESTs	98.90
	451635	AA018899	Hs.127179	cryptic gene	2.16

	417801	AA417383	Hs.82682	integrin, beta-like 1 (with EGF-like rep	131.70
	414142	AW368397	Hs.150042	Homo sapiens cDNA FLJ14430 fs, clone HE	128.70
	425921	NM_007231	Hs.162211	solute carrier family 6 (neurotransmitter	92.90
	410309	BE043077	Hs.278153	ESTs	108.80
5	428842	AJ587490	Hs.159623	NK-2 (Drosophila) homolog B	170.10
	431938	AA938471	Hs.54431	specific granule protein (28 kDa); cyste	75.70
	449592	AI655494	Hs.195718	ESTs	4.58
	414269	W44633	Hs.301296	Homo sapiens cDNA: FLJ23131 fs, clone L	188.50
10	406685	M18728		gb3Human non-specific crossreacting antigen	1123.60
	411573	AB029000	Hs.70823	KIAA1077 protein	995.60
	429201	X03178	Hs.198245	group-specific component (vitamin D bind	11.32
	418318	U47732	Hs.84072	transmembrane 4 superfamily member 3	8.38
	428698	AA852773	Hs.334838	KIAA1866 protein	662.00
15	444754	T83911	Hs.11881	transmembrane 4 superfamily member 4	4.00
	432596	AJ224741	Hs.278461	matrilin 3	283.50
	428824	W23624	Hs.173059	ESTs	4.55
	444006	BE395085	Hs.10086	type 1 transmembrane protein Fn14	3.01
	424971	AA479005	Hs.154036	tumor suppressing subtransferable candid	4.21
20	418394	AF132818	Hs.84728	Kruppel-like factor 5 (Intestinal)	4.80
	448844	AI581519	Hs.177164	ESTs	362.80
	420908	AL049974	Hs.100261	Homo sapiens mRNA; cDNA DKFZp564B222 (fr	133.90
	423685	BE350494	Hs.49753	uveal autoantigen with coiled coil domai	128.20
	428392	H10233	Hs.2265	secretory granule, neuroendocrine protein	13.83
25	429597	NM_003816	Hs.2442	a disintegrin and metalloproteinase doma	316.00
	452571	W31618	Hs.34665	ESTs	245.50
	443846	AI085198	Hs.164226	latexin protein	189.40
	436032	AA150797	Hs.109276	membrane-spanning 4-domains, subfamily A	291.10
	448030	N30714	Hs.325960	gastin-releasing peptide	252.20
30	422109	S73265	Hs.1473	ESTs	278.20
	430407	H23551	Hs.30974	neurodinamin	6.20
	419235	AW470411	Hs.288433	similar to S68401 (cattle) glucose Induc	423.50
	449048	Z45051	Hs.22920	asporin (LRR class 1)	4.01
	444301	AK000136	Hs.10760	aqueaporin 8	499.90
35	427333	AF057797	Hs.176658	trefoil factor 3 (Intestinal)	1.05
	417931	W95642	Hs.82961	squalene epoxidase	4.33
	407777	AA161071	Hs.71465	uncharacterized hypothalamus protein HBE	3.64
	435652	N32388	Hs.334370	deleted in malignant brain tumors 1	1.47
	421341	AJ243212	Hs.279611	ESTs	3.98
40	453935	AI633770	Hs.42572	interferon, alpha-inducible protein (c)	2.08
	431629	AL077025	Hs.265827	Homo sapiens mRNA full length insert cDN	3.84
	439737	AJ751438	Hs.41271	Human proteinase activated receptor-2 mR	14.21
	426227	U67058	Hs.168102	secretogranin II (chromogranin C)	315.70
	413554	AA319146	Hs.75426	Homo sapiens, Similar to RIKEN cDNA 2210	8.53
45	412104	AW205197	Hs.240951	coagulation factor III (thrombopetin,	3.13
	40310	J02931	Hs.62192	ESTs	9.33
	440484	BE328156	Hs.150358	Homo sapiens cDNA: FLJ21880 fs, clone H	1.03
	447395	AI418412	Hs.184793	DKFZP564G202 protein	1.09
	440099	AL080058	Hs.6909	gbm60c01.s1_NCL_CGAP_Lym3 Homo sapiens	14.74
50	434665	AA642125	Hs.332649	olfactory receptor, family 2, subfamily	0.98
	452194	AI694413	Hs.48950	hepatocellular carcinoma novel gene-3 pro	2.23
	408915	NM_016651	Hs.146549	crystallin, beta A2	329.40
	424411	NM_005209	Hs.146549	glutamate decarboxylase 2 (pancreatic is	1.71
	426575	M74626	Hs.170808	Homo sapiens cDNA FLJ10196 fs, clone HE	2.69
55	445417	AK001058	Hs.12680	transcobalamin I (vitamin B12 binding pr	1.70
	426322	J05068	Hs.2012	one cut domain, family member 2	3.19
	429010	Y18198	Hs.184725	Immediate early response 3	1.96
	414420	AA043424	Hs.76095	singed (Drosophila)-like (sea urchin fas	2.54
	422565	BE259035	Hs.118400	ESTs, Moderately similar to 2115357A TYK	3.30
60	414004	AA737033	Hs.7155	paraneoplastic antigen MA2	312.80
	441350	AB020690	Hs.7782	ENSP00000226148*:Growth hormone variant	177.80
	406173	#[NOCAT]		ENSP00000226542*:Small inducible cytokin	1.46
	403776	#[NOCAT]		Target Exon	121.80
	403574	NA		ESTs, Moderately similar to ZN91_HUMAN Z	16.12
65	428832	AA578229	Hs.324239	ESTs, Moderately similar to ZN91_HUMAN Z	3.94
	458449	H04482	Hs.29019	ESTs	71.60
	409958	NM_001523	Hs.57597	hyaluronan synthase 1	1.77
	437100	AJ761073	Hs.14535	Homo sapiens cDNA: FLJ22314 fs, clone H	3.13
	451181	AJ796330	Hs.207461	ESTs	68.00
70	440508	BE287911	Hs.196970	ESTs	38.00
	429636	AA455692	Hs.163232	ESTs	30.70
	419570	W68738		gb3z37g06.s1_Soares_fetal_heart_NbHH19W	1.02
	431779	AW971178	Hs.268571	apolipoprotein C-I	3.36
	431723	AW068350	Hs.16762	Homo sapiens mRNA; cDNA DKFZp564B2062 (f	10.20
	428330	L22624	Hs.2256	matrix metalloproteinase 7 (MMP7; uterin	3.94
75	423961	D13666	Hs.136348	osteoblast specific factor 2 (fasclin	1171.10
	414359	M62194	Hs.75929	cadherin 11, type 2, OB-cadherin (osteob	809.50
	440482	AA866658	Hs.50873	ESTs	9.95
	414602	AW630088	Hs.76550	Homo sapiens mRNA; cDNA DKFZp564B1264 (f	30.70
	423401	NM_001992	Hs.128087	coagulation factor II (thrombin) receptor	82.90
80	452239	AW379378	Hs.170121	protein tyrosine phosphatase, receptor type	26.01
	433364	AI075407	Hs.296063	ESTs, Moderately similar to I54374 gene	5.38
	409335	NM_001502	Hs.53985	glycoprotein 2 (zymogen granule membrane	0.54
	420876	AA918425	Hs.177744	ESTs	0.89

430154	AW583058	Hs.234726	serine (or cysteine) proteinase inhibitor	0.94	
401732	#(NOCAT)	NM_0011764	Homo sapiens Rho GDP dissociation inhibitor	1.13	
404142	NA	Target_Exon		1.33	
5	424165	AW582904	Hs.142256	Islet amyloid polypeptide	2.95
	413880	Hs.1660842	Hs.110915	Interleukin 22 receptor	1.34
	407007	U22261		gb:Human mRNA clone with similarity to L	1.57
	426300	U15979	Hs.169228	delta-like homolog (Drosophila)	1.48
	432855	AF017988	Hs.279586	secreted frizzled-related protein 5	1.28
10	424503	NM_002205	Hs.149609	integrin, alpha 5 (fibronectin receptor)	1.31
	445730	AI624342	Hs.170042	ESTs	2.14
	406566	V00495	Hs.184411	albumin	2.95
	435849	BE305242	Hs.18098	claudin 2	1.96
	426784	U03749	Hs.172216	chromogranin A (parathyroid secretory protein)	2.49
	430272	X04898	Hs.237658	apolipoprotein A-II	3.29
15	412374	X01368	Hs.73849	apolipoprotein C-III	2.42
	419276	BE165909	Hs.306851	MSTP043 protein	83.40
	415448	T68645	Hs.952	solute carrier family 10 (sodium/bile acid) 6	3.52
	423541	AA296922	Hs.129778	gastrointestinal peptide	3.16
20	428355	BE2556452	Hs.2257	vitronectin (serum spreading factor, somatotropin	6.24
	425551	AA359252	Hs.126485	hypothetical protein FLJ12604; KIAA1692	14.67
	455630	AV656701	Hs.75183	cytochrome P450, subfamily IIIE (ethanol-mannose-binding ligand (protein C) 2, iso	4.30
	428786	Y16577	Hs.2314	coagulation factor IX (plasma thrombophilia)	92.10
	420726	KD2402	Hs.1330	claudin 10	203.30
25	451253	H48299	Hs.26126	differentially expressed in hematopoietic	1.37
	420923	AF097021	Hs.273321	serine (or cysteine) proteinase inhibitor	3.38
	413881	L00190	Hs.75599	cadherin 7, type 2	7.04
	419300	AB035301	Hs.272211	small inducible cytokine subfamily B (Cytokine)	5.84
	421379	Y15221	Hs.103882	apolipoprotein H (beta-2-glycoprotein I)	2.65
30	419354	M62839	Hs.1252	histidine-rich glycoprotein	9.28
	422237	M13149	Hs.1498	solute carrier family 4, sodium bicarbonate	34.26
	437145	AF007216	Hs.6462	haptoglobin	1.82
	414386	X00442	Hs.75930	matrix metalloproteinase 11 (MMP11; stro	8.32
	425247	NM_005940	Hs.155324	transferrin	1.74
35	452689	F33688	Hs.284176	fatty acid binding protein 1, liver	6.51
	436624	T64297	Hs.5241	carbamoyl-phosphate synthetase 1, mitoch	35.08
	409187	AF154830	Hs.50966	transferrin (prealbumin, amyloidosis I)	170.30
	428874	W32133	Hs.194368	Target_Exon	2.34
	405849	#(NOCAT)		NM_002864; Homo sapiens pregnancy-zone protein	103.10
40	405281	#(NOCAT)		insulinoma-associated 1	31.20
	419078	M93119	Hs.89584	hypothetical protein FLJ22704	6.28
	422095	AI868872	Hs.282804	amyloid P component, serum	2.89
	425834	NM_001639	Hs.1957	ESTs, Weakly similar to S10590 cysteine	3.80
	452304	AA025385	Hs.61311	fibronectin, gamma polypeptide	1.82
45	407244	M10014	Hs.75431	ESTs	13.15
	450400	AI694722	Hs.279744	apolipoprotein C-II	5.22
	413816	N49813	Hs.75615	ESTs, Weakly similar to FATH_HUMAN CADHE	8.60
	444632	AI184027	Hs.146986	Homo sapiens cDNA: FLJ22566 fis, clone H	71.30
	416906	A1751357	Hs.287741	3-hydroxy-3-methylglutaryl-Coenzyme A lyase	1.70
50	410197	NM_005518	Hs.59889	small proline-rich protein 1B (comfin)	4.65
	417360	BE185289	Hs.1076	ESTs	3.01
	436961	AW375974	Hs.156704	serum amyloid A1	164.60
	446319	AW207590	Hs.160711	mucin 1, transmembrane	1.88
	427899	AA829266	Hs.332053	GalNAc alpha-2, 6-sialyltransferase 1, 1	6.88
55	419092	J05581	Hs.89603	ISL1 transcription factor, LIM/homeodomain	2.12
	421515	Y11339	Hs.105352	CX000780cqlj68379197lrsfNP_032800.1| pol	132.20
	452340	NM_002202	Hs.505	C6001909cqlj704441dbjBA16909.1| (D298	6.23
	405319	NA		cytochrome P450, subfamily XXV (vitamin	51.50
	404286	NA		Target_Exon	1.75
60	419183	U60669	Hs.89663	ESTs	52.80
	406293	NA		ESTs, Weakly similar to A56154 Ab1 subst	68.30
	431912	AI860552	Hs.154903	collagen, type IX, alpha 3	102.43
	409327	L41162	Hs.53563	ATP synthase, H ⁺ transporting, mitochondrial	205.30
	425200	BE255203	Hs.155101	solute carrier family 7, (cation) amino	5.76
65	418738	AW388633	Hs.66682	IGF-II mRNA-binding protein 3	200.10
	416661	AA634543	Hs.79440	Homo sapiens cDNA FLJ11980 fis, clone HE	97.70
	434699	AA643687	Hs.149425	collagen, type XI, alpha 1	3.96
	429921	AA526911	Hs.82772	hypothetical protein FLJ14303	30.00
	428758	AA433988	Hs.98502	Homo sapiens mRNA; cDNA DKFZp54B2062 (f	4.56
70	446998	N99013	Hs.16752	cyclin-dependent kinase inhibitor 2A (me	193.80
	418478	U38945	Hs.1174	complement component 6	3.05
	420001	J05064	Hs.1262	Homo sapiens mRNA; cDNA DKFZp434J1027 (f	159.00
	449038	AL133084	Hs.22908	epiflavin-A1	39.10
	423184	NM_004428	Hs.1624	chromogranin B (secretogranin 1)	2.39
	428505	AL035461	Hs.2281	anillin (Drosophila Scraps homolog), act	327.90
75	444783	AK001488	Hs.62180	ESTs	90.60
	445593	AW203963	Hs.150896	Homo sapiens cDNA FLJ12280 fis, clone MA	49.20
	450701	H39960	Hs.288467	prostaglandin E synthase	3.12
	424420	BE914743	Hs.146688	ESTs, Moderately similar to PC4259 fern	1.93
	408660	AA525775	Hs.292523	ESTs	39.90
80	417940	R28205	Hs.24230	ESTs, Weakly similar to S69890 milogen 1	57.20
	434208	AW136973	Hs.288516	neurodinin	2.51
	439920	H05430	Hs.288433	claudin 2	1.91
	432542	AW083920	Hs.16098		3.47

410418	D31382	Hs.63325	transmembrane protease, serine 4	3.82	
415969	AI267700	Hs.317584	ESTs	182.50	
414987	AA524394	Hs.294022	hypothetical protein FLJ14950	2.84	
400024			AFFX control - HUMRGE/M10098_5	4.82	
5	418067	AI127958	Hs.83393	cystatin EM	4.19
	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	2.92
	405909	NA		Target Exon	71.80
	448811	AI590371	Hs.174759	ESTs	6.74
10	430044	AA464510	Hs.152812	ESTs	14.91
	406690	M29540	Hs.220528	carcinoembryonic antigen-related cell ad	757.80
	418245	AA088767	Hs.83883	transmembrane, prostate androgen induced	1.85
	423733	AA330281		gb:EST33985 Embryo, 12 week II Homo sap	104.70
	450154	R15891	Hs.281587	Human (clone CTG-A4) mRNA sequence	143.00
	422487	AJ010901	Hs.198267	mucin 4, tracheobronchial	311.80
15	424902	NM_003866	Hs.153687	inositol polyphosphate-4-phosphatase, ly	63.00
	422330	D30783	Hs.115263	epiregulin	141.70
	436749	AA584890	Hs.5302	lectin, galactoside-binding, soluble, 4	2.59
	423634	AW959908	Hs.1690	heparin-binding growth factor binding pr	181.90
	430691	C14187	Hs.103538	ESTs	95.80
20	401682	NA		Target Exon	6.17
	422440	NM_004812	Hs.116724	aldo-keto reductase family 1, member B10	318.60
	431441	U81961	Hs.2784	sodium channel, nonvoltage-gated 1 alpha	2.51
	442560	AA385042	Hs.228598	ESTs, Weakly similar to 2004399A chromos	3.90
	414812	X72755	Hs.77367	monokine induced by gamma interferon	434.60
25	425211	M18667	Hs.1857	progastricin (pepsinogen C)	6.58
	421430	AW207555	Hs.97093	Homo sapiens cDNA: FLJ23004 fis, clone L	35.10
	419693	AA133749	Hs.301950	FXYD domain-containing ion transport reg	2.45
	409420	Z15008	Hs.54451	laminin, gamma 2 (ncell) (100kD), kellin	8.56
	448437	AW470125		gb:cxw60c04.x1 NCI_CGAP_Fen1 Homo sapiens	79.80
30	406671	AA129547	Hs.285754	met proto-oncogene (hepatocyte growth fa	147.30
	411568	AA102670	Hs.70725	gamma-aminobutyric acid (GABA) A recepto	30.07
	424586	NM_003401	Hs.150930	X-ray repair complementing defective rep	55.10
	428227	AA321649	Hs.2248	small inducible cytokine subfamily B (CX	405.20
	438746	AI885815	Hs.184727	ESTs	3.57
35	456032	AW957446	Hs.301711	ESTs	136.80
	431808	M30703	Hs.270833	amphiregulin (schwannoma-derived growth	36.10
	423472	AF041260	Hs.129057	breast carcinoma amplified sequence 1	9.93
	439759	AL359055	Hs.67709	Homo sapiens mRNA full length Insert cDN	146.40
	442295	AI827248	Hs.224398	Homo sapiens cDNA FLJ11469 fis, clone HE	20.60
40	428928	BE409838	Hs.194657	cadherin 1, type 1, E-cadherin (epithel	1.58
	437157	DE048860	Hs.120655	ESTs	91.80
	404285	NA		C8001909:gi|704441|dbj|BAA18909.1| [D298	123.80
	424036	AA770688	Hs.28777	H2A histone family, member L	5.26
	422026	U80736	Hs.110826	trinucleotide repeat containing 9	130.40
45	428664	AK001666	Hs.189095	similar to SAL1 (sal (<i>Drosophila</i>)-like	48.80
	437935	AW939591	Hs.5940	mucin 13, epithelial transmembrane	3.15
	423575	C18863	Hs.163443	Homo sapiens cDNA FLJ11576 fis, clone HE	253.20
	422956	BE545072	Hs.122579	hypothetical protein FLJ10461	80.00
	406722	H27498	Hs.293441	Homo sapiens SNC73 protein (SNC73) mRNA,	3.05
50	413278	BE563085	Hs.833	interferon-stimulated protein, 15 kDa	1.66
	439750	AL359053	Hs.57664	Homo sapiens mRNA full length Insert cDN	23.02
	434377	AW137148	Hs.306593	Homo sapiens cDNA FLJ11382 fis, clone HE	78.10
	425428	AI110281	Hs.157211	OKFZP586B0621 protein	1.74
	421298	AW172431	Hs.13012	ESTs	133.10
55	422424	A1186431	Hs.296638	prostate differentiation factor	2.65
	421582	AI910275	Hs.1405	trefoil factor 1 (PS2)	5.17
	401480	NA		Target Exon	73.70
	409269	AA576953	Hs.22972	hypothetical protein FLJ13352	137.70
	409757	NM_001898	Hs.123114	cystatin SN	9.36
60	449722	BE280074	Hs.23980	cyclin B1	162.70
	452240	AI591147	Hs.61232	ESTs	151.80
	415165	AW887604	Hs.78055	complement component 7	2.85
	423673	BED03054	Hs.1695	matrix metalloproteinase 12 (macrophage	290.30
	428450	NM_014791	Hs.184339	KIAA0175 gene product	6.89
65	409041	AB033025	Hs.50081	KIAA1198 protein	334.10
	453331	AI240665	Hs.8895	ESTs	12.85
	400288	X06256	Hs.149609	integrin, alpha 5 (fibronectin receptor,	12.42
	453160	AI263307	Hs.239884	H2B histone family, member L	156.40
	444015	AI472865	Hs.135534	ESTs	14.60
70	421308	AA687322	Hs.192843	leucine zipper protein FKSG14	87.20
	449045	AJ297436	Hs.20166	prostate stem cell antigen	526.20
	422426	W79117	Hs.58559	ESTs	55.30
	450737	AW007152	Hs.203330	ESTs	281.00
	429504	X99133	Hs.204238	lipocalin 2 (oncogene 24p3)	31.25
75	456553	AA721325	Hs.189058	ESTs, Highly similar to Similar to a C.e	78.00
	413281	AA861271	Hs.222024	transcription factor BMAL2	212.10
	417866	AW057903	Hs.82772	collagen, type XI, alpha 1	3.40
	431630	NM_002204	Hs.265329	integrin, alpha 3 (antigen CD49C, alpha	3.48
	400298	AA032279	Hs.61635	str transmembrane epithelial antigen of	281.50
80	431753	X76109	Hs.2841	neuromedin U	60.50
	428651	AF196478	Hs.168401	annexin A10	508.30
	424905	NM_002497	Hs.153704	NIMA (never in mitosis gene a)-related k	85.80
	433132	AB026264	Hs.284245	hypothetical protein IMPACT	55.30

435039	AW043921	Hs.130526	ESTs	64.00
447033	A1357412	Hs.157601	ESTs	123.20
433578	BE356886	Hs.3416	adipose differentiation-related protein	9.22
422511	AU076442	Hs.117938	collagen, type XVII, alpha 1	525.70
5	411274	Hs.02776	kallikrein 10 (KLK10) (PRSS1) (mes1)	44.36
	452705	H49805	ESTs	120.10
	428479	Y00272	cell division cycle 2, G1 to S and G2 to	92.30
	425397	J04088	topoisomerase (DNA) II alpha (170kD)	29.37
10	422562	A16S2060	AE-binding protein 1	3.84
	428579	NM_005756	G protein-coupled receptor 64	27.80
	428242	H55709	leukemia inhibitory factor (cholinergic	4.09
	440686	R79707	ESTs, Moderately similar to I38022 hypoth	76.30
	421493	BE300341	ectodermal-neural cortex (with BTB-like	2.37
15	410199	AW377424	Homo sapiens cDNA: FLJ22657 (is, clone H	3.44
	426320	W47695	transforming growth factor, beta 2	138.10
	419290	A128114	spinal cord-derived growth factor-B	3.45
	459309	AA040620	hypothetical protein AF140225	127.80
	415138	C18356	tissue factor pathway inhibitor 2	361.20
20	422553	A1697720	ESTs, Weakly similar to T31613 hypothet	136.60
	432375	BE536069	S100 calcium-binding protein P	6.87
	400534	#(NOCAT)	C22000015;gi|12741327|ref|XP_008833.2| z	89.00
	428970	BE276891	retinoic acid induced 3	4.78
	423739	AA396155	ESTs	135.60
25	450375	A0009847	a disintegrin and metalloproteinase domain	148.50
	423554	M90516	glutamate-fructose-6-phosphate transamin	87.70
	407001	U12471	Human thrombospondin-1 gene, partial cds	76.80
	419261	X07876	wingless-type MMTV integration site fam1	110.60
	419948	A0041035	NM_016931;homo sapiens NADPH oxidase 4 (	234.60
30	428471	X57348	stefin	3.72
	427051	BE178110	Homo sapiens cDNA FLJ10500 (is, clone NT	437.90
	425234	AW162225	ESTs, Weakly similar to I38022 hypothet	219.20
	419842	AA765489	ESTs	3.80
	418007	M13509	matrix metalloproteinase 1 (MMP1; inters	606.80
35	444207	A1665004	cathepsin D (lysosomal aspartyl) protease	2.62
	442432	BE093589	hypothetical protein FLJ23458	258.70
	413753	U17760	laminin, beta 3 (nicein (125kD), kalinin	304.80
	441384	AA447849	Homo sapiens cDNA: FLJ22182 (is, clone H	8.78
	418327	U70370	paired-like homeodomain transcription fa	10.95
40	452401	NM_007115	tumor necrosis factor, alpha-induced pro	199.70
	438199	AW016531	ESTs	67.70
	422420	U03398	tumor necrosis factor (ligand) superfamili	107.20
	431183	NM_006855	KDEL (Lys-Asp-Glu-Leu) endoplasmic retic	3.59
	417389	BE260564	midline (neutrie growth-promoting factor	3.45
45	421937	A1678857	hematological and neurological expressed	3.17
	427961	AW293165	ESTs	109.30
	422043	AL133649	retinoic acid induced 1	2.98
	426711	AA383471	conserved gene amplified in osteosarcoma	276.50
	450983	AA305384	ERO1 (S. cerevisiae)-like	5.28
50	410268	AA316161	six transmembrane epithelial antigen of	27.85
	433001	AF217513	clone HQ0310 PRO0310p1	342.30
	424086	A1351010	lysyl oxidase	213.50
	432731	R31178	fibronectin 1	185.10
	416209	AA236776	MAD2 (mitotic arrest deficient, yeast, h	106.10
55	414085	A1114016	aldehyde dehydrogenase 1 family, member	2.27
	417308	H50720	KIAA0101 gene product	405.30
	438146	Z36842	ESTs	8.38
	424800	AL035588	MyoD family inhibitor	172.10
	416143	A1956560	glutaminyl-peptide cyclotransferase (glu	45.70
60	408380	AF123050	diubiquitin	11.18
	412140	AA219691	RAB6 Interacting, kinesin-like (rabkines	149.10
	422963	M79141	ESTs	33.60
	409956	AW103364	inhibin, beta A (activin A, activin AB a	6.73
	407756	AA116021	ubiquitin specific protease 18	8.56
65	424897	D63216	frizzled-related protein	312.40
	421110	AJ250717	cathepsin E	790.80
	411789	AF245605	DKFZP564I1822 protein	3.17
	421485	AA243499	hypothetical protein FLJ10134	8.52
	409632	W74001	serine (or cysteine) proteinase inhibito	558.00
70	406837	R70292	immunoglobulin kappa constant	4.38
	426440	BE382756	solute carrier family 2 (facilitated glu	2.83
	421470	R27495	annexin A3	242.90
	407242	M18728	gbf:human nonspecific crossreacting antig	36.91
	432101	A1918950	EphA3	221.60
75	406687	M31128	matrix metalloproteinase 11 (MMP11; stro	5.34
	429170	NM_001384	dual specificity phosphatase 4	292.00
	408308	AL033377	hypothetical protein DKFZp564D0462	184.90
	435202	A1971313	KIAA0551 protein	64.80
	407216	N91773	lysyl oxidase	73.70
	409231	A0446644	GA733-2 antigen; epithelial glycoprotein	3.20
80	407881	AW072003	heparan sulfate (glucosamine) 3-O-sulfot	288.70
	407811	AW190902	cysteine knot superfamily 1, BMP antagonist	502.60
	420899	NM_001629	arachidonate 5-lipoxygenase-activating p	6.13
	441020	W79283	ESTs	178.90

453857	AL080235	Hs.35861	DKFZP586E1621 protein	504.30
426966	AF059214	Hs.194687	cholesterol 25-hydroxylase	242.10
413435	X51405	Hs.75360	carboxypeptidase E	7.30
436476	AA326108	Hs.33829	bHLH protein DEC2	247.20
5	406747	A1925153	annexin A2	110.00
	455800	R22479	Homo sapiens cDNA FLJ13047 fis, clone NT	112.10
	431211	M86849	gap junction protein, beta 2, 26kD (conn	583.90
	431890	X17033	integrin, alpha 2 (CD49b, alpha 2 subuni	6.56
10	431958	X63629	cadherin 3, type 1, P-cadherin (placenta	450.90
	444665	BE813126	B aggressive lymphoma gene	204.40
	437763	AA469369	tissue inhibitor of metalloproteinase 1	7.75
	413870	AF147204	chemokine (C-X-C motif), receptor 4 (fus	14.61
	424560	AA158727	protein predicted by clone 23733	99.80
15	436396	A1683487	wingless-type MMTV integration site fami	242.20
	407137	T79370	gb:ye53h05.s1 Soares fetal liver spleen	17.88
	410668	BE379794	hypothetical protein	4.18
	427660	AI741320	Homo sapiens cDNA: FLJ23228 fis, clone C	116.40
	408826	AF215077	Homo sapiens clone HB-2 mRNA sequence	60.30
20	442577	AA292998	ESTs	4.18
	416498	U33632	potassium channel, subfamily K, member 1	334.20
	447343	AA256841	ESTs, Highly similar to S02392 alpha-2-m	8.16
	451277	AK001123	hypothetical protein FLJ10261	375.30
	445133	AW157646	ESTs	292.40
	414799	A1752416	insulin-like growth factor binding prote	4.38
	431806	AF188114	tumor necrosis factor (ligand) superfam	89.00
	437330	AL363944	Homo sapiens mRNA; cDNA DKFZp761J1112 (f	322.10
	410687	U24389	lysyl oxidase-like 1	9.10
	417409	BE272506	syndecan 1	4.05
30	426471	M22440	transforming growth factor, alpha	138.60
	458809	AW972512	sin3-associated polypeptide, 30kD	250.50
	446625	AW970786	hypothetical protein FLJ22662	4.89
	450508	NM_004460	fibroblast activation protein, alpha	11.76
	433336	AF017986	secreted frizzled-related protein 2	4.79
	408491	AI088063	ESTs	8.25
35	437802	A1475995	ESTs	4.54
	408296	AL117452	DKFZP586G1517 protein	175.10
	421155	H87079	lysyl oxidase	170.10
	451310	AW250551	Human DNA sequence from clone RP3-447F3	2.91
	439867	AA847510	ESTs	261.60
40	417771	AA804698	retinoic acid receptor responder (izquiero	723.00
	410763	AF279145	hypothetical protein FLJ21776	251.70
	431385	BE178536	membrane-spanning 4-domains, subfamily A	155.50
	457180	R26022	calponin 3, acidic	68.00
	424408	AI754813	collagen, type V, alpha 1	17.19
45	452679	Z42387	transmembrane, prostate androgen induced	5.32
	425139	AW830488	protease, serine, 23	371.90
	432978	AF126743	DNAJ domain-containing	7.27
	406850	AI624300	collagen, type I, alpha 1	19.30
	421991	NM_014918	KIAA0990 protein	190.50
50	421814	L12360	thrombospondin 2	15.02
	407073	NM_006187	2'-5'-oligoadenylate synthetase 3 (100 k	28.57
	452281	T93500	Homo sapiens cDNA FLJ11041 fis, clone PL	519.20
	413048	M93221	mannose receptor, C type 1	240.60
	404210	#(NOCAT)	NM_005336; homo sapiens myeloid/lymphoid	404.60
55	452862	AW378065	ESTs	364.20
	447072	D61594	tyrosylprotein sulfotransferase 1	226.20
	426935	NM_000088	collagen, type I, alpha 1	4.31
	427390	AI432163	Homo sapiens cDNA: FLJ23111 fis, clone L	10.41
60	417259	AW903838	chondroitin sulfate proteoglycan 2 (vers	22.46
	451295	AF557212	ESTs, Moderately similar to 154374 gene	23.74
	448569	BE382657	signal transducer and activator of trans	6.68
	417148	AA368896	hypothetical protein FLJ14902	190.80
	432359	AA076049	Homo sapiens cDNA FLJ10229 fis, clone HE	230.50
	422278	AF072873	frizzled (Drosophila) homolog 6	361.90
65	422545	X02761	fibronectin 1	8.81
	442379	NM_004613	transglutaminase 2 (C polypeptide, prote	7.30
	417412	X16895	Interleukin 1 receptor, type I	267.20
	422110	AI378736	secreted protein, acidic, cysteine-rich	6.07
	431512	BE270734	fadate dehydrogenase A	270.10
70	417433	BE270266	5T4 oncofetal trophoblast glycoprotein	504.60
	426369	AF134157	Kreisler (mouse) maf-related leucine zip	10.62
	437470	AL390147	hypothetical protein DKFZp547D065	2.80
	417944	AU077196	collagen, type V, alpha 2	14.01
	428797	AA496205	Homo sapiens mRNA; cDNA DKFZp5B86I0324 (f	9.15
75	434423	NM_008769	LIM domain only 4	297.30
	426125	X87241	FAT tumor suppressor (Drosophila) homolo	486.20
	422573	AW297985	Integrin, alpha V (vitronectin receptor	9.73
	421552	AF026692	secreted frizzled-related protein 4	762.90
	424730	NM_003358	ESTs, Moderately similar to CEGT_HUMAN C	7.81
80	400133	NA	Eos Control	357.00
	444381	BE387335	ESTs, Weakly similar to S64054 hypothet	1150.30
	422046	NM_012445	spondin 2, extracellular matrix protein	4.50
	446019	A1362520	histone deacetylase 3	11.26

426490	NM_001621	Hs.170087	aryl hydrocarbon receptor	459.50
422687	AW068823	Hs.119206	Insulin-like growth factor binding protein	2.68
432401	NM_013390	Hs.274479	NME7	4.99
437223	C15105	Hs.330716	Homo sapiens cDNA FLJ14368 fts, clone HE	7.65

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Table 41B

Pkey: Unique Eos probeset identifier number

CAT number: Gene cluster number

Accession: Genbank accession numbers

Pkey CAT Number Accessions

416913	163001_1	AW934714 BE161007 BE162500 AW749902 AW749864 BE162498 BE161005 AA190449 AW513465 BE161006 BE162499
419570	1660504_1	W68738 W68831
423733	231476_1	AA330281 0AA330232 AW962521
434665	390530_1	AA642125 AA654516
448437	763310_1	AW470125 AI734872 AI749559 AW856504 AI583942 AW779036 AW843429 AW844876 AI520713 AW847236

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Table 41C

Pkey: Unique number corresponding to an Eos probeset

Ref: Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham I. et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham I. et al., Nature (1999) 402:489-495.

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Strand: Indicates DNA strand from which exons were predicted.

Nt_position: Indicates nucleotide positions of predicted exons.

Pkey Ref Strand Nt_position

30	400534	8981826	Minus	278637-279292
	400560	8943598	Plus	94182-94323,97056-97243,101095-101236,102824-103005
	400836	8954179	Plus	677-1188
	401201	9743387	Minus	138534-138629,139234-139294,140121-140335,142033-142479
	401480	7321503	Plus	166120-166347,166451-166557,169851-169832
35	401541	8972607	Minus	50118-50158
	401682	4755167	Plus	13022-13473
	401732	1200312	Plus	19346-19525,19625-19708,19897-19973,20067-20130,20215-20414
	403207	7630829	Plus	89914-90033,90729-90855,91131-91198
	403574	8101156	Plus	5542-6178
40	403776	7770611	Minus	1414-1513,1624-1756
	404142	9856692	Minus	80316-80459
	404210	5005246	Plus	165926-170121
	404285	2326514	Plus	32282-32415
	404286	2326514	Plus	51086-51301
45	404287	2326514	Plus	53134-53281
	404682	9797231	Minus	40977-41150
	404686	9366919	Minus	11743-11829
	405281	6139075	Minus	34202-34351,35194-35336,45412-45475,45731-45958,47286-47457,49549-49658,49790-49904,50231-50342,53563-53667,54111-54279
	405849	7651617	Minus	17705-18287
50	405909	7705180	Minus	66985-87233
	406173	7230224	Plus	12925-13213
	406293	5686274	Minus	17646-17953
	406319	9211730	Minus	82320-82581
	406399	9256288	Minus	63448-63554

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TABLE 42A: 574 genes upregulated in pancreatic cancer relative to normal body tissues

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Table 42A lists about 574 genes upregulated in pancreatic cancer relative to normal body tissues that are likely to encode proteins amenable to modulation by small molecules, peptides, or antibodies. These genes were selected from 99680 probesets on the Eos/Affymetrix Hu03 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression. The protein products of these genes often contain one or more domains indicative of have oncogenic function or of transducing intracellular signals, or of being modulatable by small molecules, peptides, or antibodies (e.g. ptknase, death-domain, 7tm, phosphatase, or ion_transporter). Certain predicted protein domains are noted.

65

Pkey: Unique Eos probeset identifier number

ExAccn: Exemplar accession number, GenBank accession number

UniGeneID: UniGene number

70

Pred.Prot.Domains: Certain predicted protein domains. Abbreviations used: TM, transmembrane domain; SS, signal sequence; =Y, very likely to contain; =M, likely to contain; other protein domain abbreviations are from PFAM (Nucleic Acids Research, 2002, 30:276-280).

UniGene Title: UniGene gene title

R1 90th percentile of pancreatic cancer AIs divided by the 50th percentile of normal tissue AIs

R2 90th percentile of pancreatic cancer AIs divided by the 90th percentile of normal pancreas AIs, where the 15th percentile of all normal tissue AIs was subtracted from both the numerator and denominator

75

Pkey; ExAccn; UniGeneID; UniGene Title; Pred.Prot.Domains; R1; R2

80

426230; AA367019; Hs.241395; protease, serine, 1 (trypsin 1); trypsin,toxin_4;SS=M; 107.23; 1.07

415934; NM_00928; Hs.992; phospholipase A2, group IB (pancreas); phospholip;SS=M; 83.67; 1.06

421996; AW583807; Hs.1460; glucagon; hormone2;SS=M; 59.35; 1.61

406399;; NM_003122;;Homo sapiens serine protease ; kazal;SS=M; 55.49; 1.08

444381; BE387335; Hs.283713; hypothetical protein BC014245; Collagen;TM=M;SS=M; 53.85; 43.61

406685; M1672B; ; gbx; Human nonspecific cross-reacting antigen; Ig; TM=M; SS=M; 52.73; 22.83
 428698; AA852773; Hs.334938; KIAA1866 protein; none; NA; NA; 32.44; 13.11
 437145; AF007216; Hs.5462; solute carrier family 4, sodium bicarbonate; HCO3_cobranap; TM=Y; 29.80; 1.46
 428784; W32133; Hs.194366; transhyrelin (prealbumin, amyloidosis 1; Transhyrelin); SS=M; 29.42; 1.94
 5 444754; T83911; Hs.374341; transmembrane 4 superfamily member 4; none; TM=Y; SS=M; 28.78; 3.13
 418068; AW971155; Hs.293902; ESTs, Weakly similar to ISHSS protein d; none; TM=M; SS=M; 28.61; 0.98
 436051; AW373062; Hs.351546; nuclear receptor subfamily 1, group I, m; hormone_rec_zf-C4; none; 25.36; 3.63
 413719; BE439580; Hs.75498; small inducible cytokine subfamily A (C�; IL6; SS=M; 24.64; 7.21
 417771; AA804698; Hs.82547; retinol acid receptor responder (fazar); none; none; 23.77; 6.74
 10 414998; NM_002543; Hs.77729; oxidised low density lipoprotein (lectin; lectin_c); TM=Y; SS=M; 22.98; 4.57
 418118; U47732; Hs.84072; transmembrane 4 superfamily member 3; transmembrane4; TM=Y; SS=M; 22.31; 5.42
 425573; AB006423; Hs.158308; serine (or cysteine) proteinase inhibitor; serpin; GCV_L; TM=M; SS=M; 21.91; 1.03
 15 433110; D65494; Hs.3191; rat regenerating islet-derived-like; human; lectin_c; TM=M; SS=M; 21.90; 0.60
 426490; NM_001621; Hs.17087; aryl hydrocarbon receptor; PAC_PAS; TM=M; 21.41; 19.89
 453863; X02544; Hs.572; orosomucoid 1; lipocafin,akleid,ubiquitin,IRK; SS=M; 20.80; 8.12
 421126; M74587; Hs.102122; insulin-like growth factor binding protein; thyroglobulin_1,IGFBP; SS=Y; 20.60; 8.48
 451035; AUD76785; Hs.430; plasmin 1 (I isoform); ephand,CH_Adaptin_N; SS=M; 19.25; 3.53
 413859; AW992356; Hs.8364; Homo sapiens pyruvate dehydrogenase kinase; SAM_PNT; none; 18.38; 2.53
 20 420332; NM_001756; Hs.1305; serine (or cysteine) proteinase inhibitor; serpin; TM=M; SS=M; 18.19; 2.29
 438089; W05391; Hs.361546; nuclear receptor subfamily 1, group I, m; hormone_rec_zf-C4; none; 17.67; 4.60
 417426; NM_002291; Hs.82124; laminin, beta 1; laminin_EGF; laminin_Nterm; integrin_B; SS=M; 17.08; 6.37
 427509; MG2505; Hs.2161; complement component 5 receptor 1 (C5a); 7tm_1; TM=Y; SS=M; 16.89; 7.15
 441031; AI10684; Hs.7645; fibrinogen, B beta polypeptide; fibrinogen_C; G-alpha_arf; TM=M; SS=M; 16.59; 7.74
 25 445033; AV652402; Hs.72901; cyclin-dependent kinase inhibitor 28 (p1; anil); 16.28; 9.22
 431189; NM_006855; Hs.250696; KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum; ER_junnen_recept; TM=M; SS=M; 15.96; 2.38
 444784; D12485; Hs.11951; ectonucleotide pyrophosphatase/phosphodi; Somatomedin_B; Endonuclease; Phosphodiester; TM=Y; SS=M; 15.65; 1.33
 408243; Y00787; Hs.624; interleukin 8; IL8; PASIL8; TM=M; 15.53; 4.34
 419355; AA428520; Hs.90061; progesterone binding protein; heme_1; TM=Y; SS=M; 15.45; 10.50
 30 426005; R49031; Hs.22627; ESTs; kinase; TBC; 15; t7; 0.58
 433376; AI249361; Hs.74122; caspase 4, apoptosis-related cysteine pr; CARD; ICE_p10; ICE_p20; SS=M; 14.84; 3.04
 422260; AA315993; Hs.105484; regenerating gene type IV; lectin_c; SS=M; 14.71; 2.69
 432020; AA361259; Hs.237868; Interleukin 7 receptor; fn3; none; 14.28; 11.47
 408893; NM_001492; Hs.663; cystic fibrosis transmembrane conductanc; ABC_tran; ABC_membrane; PRK; Bac_export_3; TM=Y; 13.98; 1.18
 35 414812; X72755; Hs.7357; monooxygenase induced by gamma interferon; IL6; TM=M; SS=Y; 13.81; 7.69
 429170; NM_001394; Hs.2389; dual specificity phosphatase 4; Rhodanese; DSP; Y_phosphatase; Ribosomal_S3_N; TM=M; 13.59; 2.24
 425988; BE045897; Hs.63985; ESTs, Weakly similar to I38022 hypothesis; none; none; 13.54; 0.95
 409512; AW979187; Hs.293591; melanoma differentiation associated prot; DEAD; helicase_C; CARD; TM=M; 13.48; 3.59
 429556; AW139399; Hs.99898; ESTs; none; TM=M; 13.20; 1.16
 40 417079; U65590; Hs.81134; interleukin 1 receptor antagonist; IL1; SS=M; 12.83; 7.72
 427286; AW732802; Hs.2132; epidermal growth factor receptor pathway; SH3; TonB_box; CTM=M; 12.72; 9.01
 431912; AI660552; Hs.358183; ESTs, Weakly similar to A55154 Abi sub; none; Acyl-CoA_dh; Acyl-CoA_dh_M; Acyl-CoA_dh_N; 12.72; 6.72
 412116; AW402166; Hs.764; Epstein-Barr virus induced gene 2 (lymph); 7tm_1; TM=Y; SS=M; 12.71; 12.58
 425337; J04088; Hs.165346; topoisomerase (DNA) II alpha (170kD); DNA_gyrase_B; DNA_topoisol_V; HATPase_c; SS=M; 12.52; 4.92
 409142; AL136877; Hs.50758; SMC4 (structural maintenance of chromos; ABC_tran; M_SMC_N; SMC_C; DUF164; none; 12.38; 7.59
 45 428157; AI738719; Hs.198427; hexokinase 2; hexokinase_hexokinase2; none; 12.34; 11.53
 424273; W40460; Hs.144442; phospholipase A2, group X; phospholip; TM=M; SS=Y; 12.32; 3.02
 414821; MG6385; Hs.77424; Fc fragment of IgG, high affinity Ia, m; Ig; TM=Y; SS=M; 12.29; 2.21
 415323; BE269352; Hs.949; neutrophil cytosolic factor 2 (65kD, chr; SH3; TPR; TM=M; 12.18; 4.14
 427283; AL119796; Hs.174185; ectonucleotide pyrophosphatase/phosphodi; Sulfoxase; Somatomedin_B; Phosphodiester; Endonuclease; TM=M; SS=Y; 11.97; 5.93
 50 434779; AI515815; Hs.50151; potassium inwardly-rectifying channel, s; IRKTM=Y; 11.76; 1.58
 426227; U67058; Hs.154299; Human protein kinase activated receptor-2 mR; 7tm_1; TM=Y; SS=M; 11.75; 3.56
 412228; AW503785; Hs.73792; complement component (3d; Epstein Barr vi; sushi; TM=Y; SS=M; 11.67; 3.77
 450737; AW007152; Hs.63325; transmembrane protease, serine 4; trypsin; kD_recept; a; none; 11.65; 4.52
 439750; AL359053; Hs.57664; Homo sapiens mRNA full length insert cDN; IMPDH_L; IMPDH_N; CBS; Integrin_B; Ricin_B; Lectin; 11.56; 5.46
 55 431512; BE270734; Hs.2795; lactate dehydrogenase A; khd; dh_C; SH3; pk; kinase; UBA; TM=M; 11.55; 5.11
 429638; A916682; Hs.211562; kinase 1 (kinase receptor); b2IP; Tropomyosin; spectrin; LBP_BPL_CETP; B56; M; TM=Y; SS=M; 11.47; 4.65
 445133; AW157646; Hs.198689; ESTs; ephand; spectrin; GAS2; Sh3; Flectin; Xylose_isom; FID; b2IP; Tropomyosin; Myo-LZ; Mdh_C; CH; AIP3; TM=M; 11.41; 12.62
 60 411352; NM_002890; Hs.758; RAS p21 protein activator (GTPase activa; SH2; SH3; C2; PH; RasGAP; TM=M; SS=M; 11.24; 8.95
 447343; AA256641; Hs.236894; ESTs, Highly similar to S02392 alpha-2m; none; none; 11.19; 4.16
 422616; BE300330; Hs.118725; selenophosphate synthetase 2; AIRS_C; AIRS_C; TM=M; 11.17; 5.98
 422241; Y00626; Hs.170121; protein tyrosine phosphatase; receptor t; kinase; In3; Y_phosphatase; TM=M; 11.14; 9.09
 440594; AW445167; Hs.126036; ESTs; none; none; 11.05; 16.45
 425288; AW139342; Hs.156530; interferon, gamma-inducible protein 18; PAA; DAPI; HN; SS=M; 11.05; 10.38
 65 427700; AA262294; Hs.180363; dual specificity phosphatase 6; Rhodanese; DSP; TM=M; 11.05; 4.70
 448811; AI590371; Hs.199460; ESTs; none; TM=Y; 10.85; 9.69
 424321; W74048; Hs.17655; lymphocyte-specific protein tyrosine kin; SH2; SH3; pk; kinase; TM=M; 10.72; 8.65
 429083; Y09397; Hs.227817; BCL2-related protein A1; Bcl-2; TM=M; 10.51; 12.97
 424247; X14008; Hs.234734; lysozyme (renal amyloidosis); lys; Ig; FAD_Synth; dh_C; pk; kinase; SS=M; 10.37; 6.35
 70 436856; AI469355; Hs.127310; ESTs; kinase; ym; TM=M; 10.35; 2.74
 427337; W740223; Hs.176663; Fc fragment of IgG, low affinity IIb, r; Ig; TM=Y; SS=M; 10.34; 3.14
 417018; M16038; Hs.80887; v-yes-1 Yamaguchi sarcoma viral related; SH2; SH3; pk; kinase; TM=M; 10.34; 4.47
 418299; AA279530; Hs.83968; integrin; beta 2 (anfge; CD18 (p95); ly; integrin_B; EGF; PS; TM=Y; SS=M; 10.21; 4.68
 451820; AW058357; Hs.199248; ESTs; 7tm_1; TM=Y; SS=M; 10.18; 2.67
 75 413048; M93221; Hs.75182; mannose receptor, C type 1; fm2; lectin_c; Ricin_B; Lectin; Xfink; TM=Y; SS=M; 10.17; 8.35
 429752; H52348; Hs.36636; ESTs; pk; kinase; pk; kinase; TM=M; 10.13; 12.35
 452721; AJ269529; Hs.301B71; solute carrier family 37 (glycerol-3-pho; MORN; sugar_l; TM=Y; SS=M; 10.08; 8.74
 421462; AF016495; Hs.104624; aquaporin 9; MIP; TM=Y; SS=M; 10.05; 6.05
 452698; NM_001295; Hs.301921; chemokine (C-C motif) receptor 1; 7tm_1; TM=Y; SS=M; 9.98; 3.16
 80 416389; AA180072; Hs.149846; Integrin; beta 5; integrin_B; none; 9.86; 9.59
 421044; AF061871; Hs.101302; Human DNA sequence from clone RP1-23B15; fn3; vwa; Collagen; TSPN; TM=M; SS=M; 9.78; 5.96
 446620; AA128808; Hs.179902; transporter-like protein; none; TM=Y; SS=M; 9.75; 2.64
 405102; C15001220; gi|4469553|gb|AA21311.1| (AF: DAG; PE-bld; PH; RhoGEF; DC1; SS=M; 9.74; 1.88
 418693; AI750876; Hs.87409; thrombospondin 1; EGF; tspan_1; vwa; TSPN; tspan_3; SS=M; 9.72; 6.94

426535; AU077012; Hs.286582; ESTs, Weakly similar to ubiquitous TPR m; Kunitz_BPT1,Kunitz_BPT1,7tm_2,HRM; 9.68; 10.58
 448105; AW591433; Hs.298241; Transmembrane protease, serine 3; *td*_recept,_trypsin;TM=Y;SS=M; 9.67; 4.06
 456266; L29073; Hs.198726; cold shock domain protein A; 7tm_2,HRM,CSD;TM=Y;SS=M; 9.62; 2.36
 5 410240; AL157424; Hs.61289; synaptosomal 2; *Exo_ando_phos*,*Syja_N_mrn*,Gram-ve_perkins;TM=M; 9.62; 3.77
 457001; J03258; Hs.2062; vitamin D (1,25-dihydroxyvitamin D3) re; hormone_rec,zf_C4_Metallothio_5;TM=M; 9.60; 8.05
 456373; BE247706; Hs.89751; membrane-spanning 4-domains, subfamily A; none;TM=Y; 9.57; 3.77
 416847; L43821; Hs.80261; enhancer of filamentation 1 (cas-like do; SH3;TM=M; 9.56; 10.50
 437158; AW090198; Hs.345709; KIAA1150 protein; none;NA;NA; 9.55; 8.67
 426108; AA622037; Hs.166468; programmed cell death 5; DUF122;TM=M; 9.47; 5.67
 10 403344; ; NM_000341;Homo sapiens solute carrier 1a; alpha-amylase;TM=Y; 9.47; 1.42
 449543; AF070632; Hs.23729; Homo sapiens clone 24405 mRNA sequence; K_tetra,ion_trans,none; 9.46; 3.12
 433233; AB04927; Hs.301804; KIAA1494 protein; SH3_zf-C3HC4;TM=M; 9.42; 4.01
 444838; AV651680; Hs.208558; ESTs; integrin_A,FG-GAP,none; 9.42; 1.87
 15 439803; AA001021; Hs.6685; thyroid hormone receptor interactor 8; none,none; 9.41; 5.56
 428505; AL035461; Hs.2281; chromogranin B (secretogranin 1); Granin;SS=M; 9.40; 3.46
 411213; AA676939; Hs.69285; neuropin 1; MAM,F6_F8_type_C,CUB,CUB,MAM,F5_F8_type_C; 9.38; 6.32
 432810; AA863400; Hs.374489; ESTs; none,Skp1,AAA; 9.38; 4.36
 427581; NM_014788; Hs.179703; KIAA0129 gene product; SPRY_zf-B_box;TM=M; 9.34; 8.26
 413109; AW389845; Hs.110865; ESTs; similar to leukemia virus receptor; PHO4,none; 9.34; 4.67
 20 428450; NM_014791; Hs.184339; KIAA0175 gene product; KA1,phosphatase;TM=M; 9.31; 4.24
 408113; TB24271; Hs.194101; Homo sapiens cDNA: FLJ20889 is, clone A; 7tm_3,none; 9.24; 7.12
 446030; N30714; Hs.325980; membrane-spanning 4-domains, subfamily A; none;TM=Y;SS=M; 9.23; 6.03
 437672; AW748285; Hs.5741; flavohemoglobin b5?; heme_1,NAD_binding,lipoxigenase,FAO_binding,_6;TM=M; 9.22; 10.72
 410498; U33632; Hs.79351; potassium channel, subfamily K, member 1; ion_trans;TM=Y;SS=M; 9.20; 4.45
 409556; AW103364; Hs.727; *krh1b1n*, beta A (activin A, activin AB a; TGF-beta,TGFb_propeptide,Tub;SS=M; 9.19; 16.46
 25 413095; AA494269; Hs.30715; potassium voltage-gated channel, *lsk-1*; none,START; 9.15; 2.18
 418838; AW385224; Hs.35198; ectonucleotide pyrophosphatase/phosphodi; Phosphodiester;TM=Y;SS=M; 9.14; 3.03
 452960; AK001335; Hs.31317; protein tyrosine phosphatase, receptor ζ ; Y_phosphatase,none; 9.14; 11.75
 30 417821; BE245149; Hs.82643; protein tyrosine kinase 9; cofilin_ADF;SS=M; 9.11; 4.29
 427157; U51166; Hs.173824; thymine-DNA glycosylase; UDG;TM=M; 9.05; 9.68
 431341; AA307211; Hs.251531; proteasome (prosome, macropain) subunit; proteasome;TM=M; 9.05; 5.61
 413367; NM_008517; Hs.75317; solute carrier family 16 (monocarboxylic acid transporter); sugar_1r;TM=Y; 9.04; 5.79
 437298; AA350994; Hs.20281; KIAA1700; Rhodanese, DSPc;TM=M; 9.02; 5.75
 35 418888; AU076801; Hs.894363; cadherin 17, L1 cadherin (liver-intestine); cadherin;TM=Y;SS=M; 8.94; 5.01
 446406; AL553681; Hs.348490; Arg/Abi-interacting protein ArgBP2; Sorb,none; 8.91; 1.77
 428820; AA436187; Hs.172631; integrin, alpha M (complement component; vwa,integrin_A,FG-GAP;TM=Y;SS=M; 8.85; 4.74
 434398; AA121098; Hs.3638; serum-inducible kinase (SNK); kinase,POLO_box;TM=M; 8.78; 4.54
 453902; BE502341; Hs.3402; ESTs; none,none; 8.72; 3.71
 433334; AI927208; Hs.231958; matrix metalloproteinase 28; Peptidase_M10,none; 8.71; 4.28
 445488; AB037782; Hs.15119; KIAA1361 protein; pldnase;SS=M; 8.70; 3.71
 450247; AF123303; Hs.24713; hypothetical protein; othend_mito_car;TM=Y;SS=M; 8.68; 3.40
 432101; AI918950; Hs.123642; EphA3; fm1,phosphatase,SAM,EPH_fbd;TM=Y;SS=M; 8.62; 5.62
 410763; FA279145; Hs.89665; hypothetical protein FLJ21776; none,none; 8.61; 13.53
 422278; AF072873; Hs.114218; frizzled (Drosophila) homolog 6; Fz,Frizzled,7tm_2;TM=Y;SS=M; 8.55; 4.82
 425465; L18564; Hs.1904; protein kinase C, iota; kinase,DAG_PE-bnd,phosphatase_C,OPR;TM=M; 8.50; 3.18
 40 419111; AA234172; Hs.137418; ESTs; none,IRIC; 8.47; 7.51
 430046; AI808780; Hs.227730; integrin, alpha 6; integrin_A,FG-GAP;TM=Y;SS=M; 8.45; 3.46
 447574; AF162666; Hs.18895; tousled-like kinase 3; kinase;TM=M; 8.45; 5.30
 447217; BE465754; Hs.17778; neuropilin 2; CUB,MAM,F5_F8_type_C;TM=M;SS=M; 8.44; 6.30
 50 419034; NM_0022110; Hs.89555; hemopontin; SH2,SH3,kinase;SH2,SH3,kinase;TM=M; 8.43; 4.87
 405555; ; homeodomain-interacting protein kinase 3; lypkin;TM=M; 8.39; 0.88
 417412; X16886; Hs.82112; integrin, alpha 1 receptor, type I; Ig,TIR;TM=M;SS=M; 8.35; 4.74
 405556; ; homeodomain-interacting protein kinase 3; trypsin;TM=M; 8.31; 0.87
 55 407687; AK002011; Hs.37568; hypothetical protein FLJ11149; lys,ig,FAD_Synth,ldh_C,phosphatase;SS=M; 8.28; 3.12
 408051; AI622356; Hs.172148; ESTs; PH,RhoGAP,none; 8.27; 5.65
 449523; NM_000579; Hs.54443; chemokine (C-C motif) receptor 5; 7tm_1;TM=Y;SS=M; 8.26; 5.49
 429732; U20158; Hs.2488; lymphocyte cytosolic protein 2 (SH2 domain); SH2,SS=M; 8.24; 8.91
 405204; ; NM_002086; Homo sapiens growth factor; SH2,SH3;TM=M; 8.23; 6.43
 426808; T19228; Hs.172572; hypothetical protein FLJ20093; ank,phosphatase,UPF0073;SS=M; 8.20; 6.11
 60 428428; AL037544; Hs.184286; cyclin-dependent kinase 7 (homolog of Xe); kinase;TM=M; 8.18; 8.37
 450375; AA000947; Hs.352537; a disintegrin and metalloproteinase domain; Reprolysin,Pep_M12B_propep,disintegrin,Reprolysin,Pep_M12B_propep,disintegrin; 8.17; 12.24
 443303; U67319; Hs.9218; caspase 7, apoptosis-related cysteine pr; kinase,ICE_p10,ICE_p20;TM=M;SS=M; 8.15; 4.61
 413132; NM_006823; Hs.75209; protein kinase (cAMP-dependent, catalytic); PKC;SS=M; 8.15; 11.12
 428513; BE220806; Hs.184697; Homo sapiens clone 23785 mRNA sequence; PSI,none; 8.13; 13.28
 429345; R11141; Hs.199095; hypothetical protein; K_tetra,SAM; 8.13; 1.15
 425838; NM_014071; Hs.159613; nuclear receptor coactivator RAP250; pr; none;TM=M; 8.12; 4.54
 426836; AW955695; Hs.90956; ESTs; Cbl_N,Cbl_N2,Cbl_N3,UBA2f,C3HC4,none; 8.11; 7.47
 65 406366; ; secreted frizzled-related protein 4; trypsin;SS=M; 8.05; 0.69
 429663; M68874; Hs.211587; phospholipase A2, group IVa (cytosolic; C2,PLA2_B;TM=M; 8.04; 5.20
 458946; AA009716; Hs.42311; ESTs; none,DSPC,Y_phosphatase; 8.02; 1.93
 428280; U31519; Hs.1872; phosphoenolpyruvate carboxykinase 1 (sol); PEPCK;TM=M; 7.97; 19.33
 445806; AA126419; Hs.32944; inositol polyphosphate-4-phosphatase, ty; none,none; 7.90; 11.44
 449444; AW818436; Hs.351306; solute carrier family 16 (monocarboxylic acid transporter); none;TM=Y;SS=M; 7.89; 7.00
 70 426167; AF039023; Hs.167495; RAN binding protein 8; Armadillo_seg,HEAT_PBS; 7.83; 11.16
 400408; S75765; ; Homo sapiens delta CCK-B gene, partial c; 7tm_1,none; 7.81; 0.78
 448362; AA641767; Hs.21015; hypothetical protein DKFZp564L0864 sim1; sugar_1r;TM=Y;SS=M; 7.78; 7.02
 457670; AF119666; Hs.23449; insulin receptor tyrosine kinase substrate SH3;TM=M; 7.75; 2.63
 409799; D11928; Hs.76846; phosphoserine phosphatase-like; Hydrolase;TM=M; 7.72; 2.68
 80 447887; AA114050; Hs.19949; caspase 8, apoptosis-related cysteine pr; ICE_p10,ICE_p20,DED;TM=M; 7.68; 2.40
 421684; BE281591; Hs.106768; hypothetical protein FLJ10511; Armadillo_seg;SS=M; 7.49; 8.57
 434699; AA643687; Hs.149425; Homo sapiens cDNA FLJ11980 is, clone HE; Nucleotide_tr2a,none; 7.47; 2.53
 417980; BE241586; Hs.82848; selectin L (lymphocyte adhesion molecule; EGF,lectin_s,sushi;TM=M;SS=M; 7.38; 5.60
 436729; BE621807; Hs.351316; transmembrane 4 superfamily member 1; none;TM=Y;SS=M; 7.29; 5.78

428970; BE276891; Hs.194691; retinoic acid induced 3; 7tm_3;TM=Y;SS=M; 7.26; 11.00
 426761; AI015709; Hs.172089; PORMIN Pro-oncosis receptor inducing me; none;TM=Y;SS=M; 7.25; 7.22
 413880; AI660842; Hs.110916; interleukin 22 receptor; Tissue_fac;TM=Y;SS=M; 7.24; 0.98
 418945; BE246762; Hs.89499; arachidonate 5-lipoxygenase; lipoxygenase; PLAT;TM=M; 7.22; 6.45
 5 413441; AI929374; Hs.75367; Src-like-adaptor; SH2,SH3;TM=M; 7.20; 5.72
 426158; NM_001982; Hs.199067; v-erb-b2 avian erythroblastic leukaemia v; Farn-like,phosphatase,Recep_L_domain,Farn-like,phosphatase,Recep_L_domain,Peplidase_M24; 7.13; 3.87
 428474; AB023182; Hs.184523; KIAA0965 protein; kinase;TM=M; 7.13; 5.43
 421582; AI910275; Hs.350470; trefoil factor 1 [breast cancer, estrogen; trefoil, Gastrin;SS=M; 7.08; 21.61
 449843; R85337; Hs.24030; solute carrier family 31 (copper transporter);TM=Y;SS=M; 7.07; 6.18
 10 452110; T47667; Hs.28005; Homo sapiens cDNA FLJ11309 fs, clone PT; phosphatase,Activin_recep,none; 6.94; 4.82
 451295; AI557212; Hs.17132; ESTs, Moderately similar to I54374 gene ; kinase,DAG_PE-bind,phosphatase_C,OPR,none; 6.92; 15.34
 430680; AW138724; Hs.168974; ESTs, Highly similar to ALU7_HUMAN ALU S; Y_phosphatase,Adaptin_N,Y_phosphatase; 6.88; 1.94
 441600; AA939347; Hs.127223; Homo sapiens cysteine knot protein (ZSIG; 7tm_1,dl_recept_a,LRR;SS=M; 6.86; 0.97
 15 410687; U24389; Hs.65435; lysyl oxidase-like 1; Lysyl oxidase;SS=M; 6.83; 7.24
 425009; XS8288; Hs.154151; protein tyrosine phosphatase, receptor type I; fn3,g,Y_phosphatase,MAM;TM=Y;SS=M; 6.83; 11.43
 400339; ; Target Exon; none;TM=M; 6.70; 1.19
 431113; AK000573; Hs.274337; hypothetical protein FLJ20666; phosphatase;TM=M; 6.65; 2.21
 445280; AW050563; Hs.343220; v-erb avian sarcoma virus CT10 oncogene ; SH2,SH3,none; 6.61; 10.66
 20 425834; NM_001639; Hs.1957; amyloid P component; serum; pentraxin;TM=M;SS=M; 6.57; 2.20
 435706; W31254; Hs.7045; GL004 protein; PDEase,GAf,none; 6.55; 11.44
 415906; AI751357; Hs.288741; Homo sapiens cDNA; FLJ22256 fs, clone H; Ephrin,none; 6.45; 5.25
 408308; AL033377; Hs.44197; hypothetical protein DKFZp56400462; none,none; 6.42; 9.14
 432338; NM_002759; Hs.274382; protein kinase, Interferon-inducible dsr,kinase;TM=M; 6.42; 4.12
 25 417874; BE616160; Hs.82829; protein tyrosine phosphatase, non-recept; Y_phosphatase;TM=Y; 6.42; 2.26
 446872; X97058; Hs.16352; pyrimidinergic receptor P2Y; G-protein c; 7tm_1;TM=Y;SS=M; 6.41; 4.54
 444008; BE395085; Hs.10086; type I transmembrane protein FN14; Idl_recept_a,PKD,MHC_J;TM=M;SS=Y; 6.38; 3.55
 412970; ABO26436; Hs.177534; dual specificity phosphatase 10; Rhodanese,DSpc;SS=M; 6.35; 4.95
 422583; AA410508; Hs.279793; KIAA0874 protein; ank,G-alpha;TM=M; 6.35; 3.56
 30 452355; N54926; Hs.29202; G protein-coupled receptor 34; 7tm_1,ATP_C;TM=Y; 6.32; 11.02
 422282; AF019225; Hs.114309; apolipoprotein L; MotA_Exob;TM=Y;SS=M; 6.32; 5.15
 407235; D20569; Hs.169407; SAC2 (suppressor of actin mutations 2, y; none,Ribosomal_S13,Galactosyl_T,Zip,adh_short,zf-C3HC4; 6.30; 8.35
 428486; AW583497; Hs.184604; pancreatic polypeptide; hormone;TM=M;SS=Y; 6.29; 3.51
 408847; AW280997; Hs.30348; ESTs; phosphatase,fg,none; 6.28; 3.63
 35 428179; AI127772; Hs.279898; serum/glucocorticoid regulated kinase-1; phosphatase,PX,phosphatase_C;SS=M; 6.28; 3.50
 443614; AV655388; Hs.7645; fibronectin, B cell polypeptide; none,none; 6.26; 7.48
 425354; U62027; Hs.155935; complement component 3a receptor 1; 7tm_1;TM=Y;SS=M; 6.25; 3.98
 448888; AW196663; Hs.200242; caspase recruitment domain protein 6; CARD;TM=M; 6.21; 4.10
 428180; AI129767; Hs.162874; guanine nucleotide binding protein (G protein); G-alpha,arf;TM=M; 6.18; 4.62
 409245; AA361037; Hs.356436; tRNA isopentenylpyrophosphate transferas; Armadillo_seg;TM=M; 6.17; 11.15
 40 417952; AI192836; Hs.372643; dual-specificity tyrosine-(Y)-phosphoryl; phosphatase,none; 6.17; 3.05
 445701; AF055581; Hs.13131; lymphocyte adaptor protein; SH2,PH;TM=M; 6.16; 11.90
 425910; AA830797; Hs.184760; CCAAT-box-binding transcription factor; none;TM=M; 6.10; 2.96
 426797; AW936289; Hs.342849; ADP-ribosylation factor-like 5; arf,Ca_channel_B,SH3; 6.03; 3.17
 408331; NM_007240; Hs.442229; dual specificity phosphatase 12; DSpc;TM=M; 5.99; 2.55
 45 441384; AA447849; Hs.288660; Homo sapiens cDNA; FLJ2182 fs, clone H; 7tm_3,none; 5.97; 13.12
 414217; AI302998; Hs.279898; Homo sapiens cDNA; FLJ23165 fs, clone L; none;NA; 5.92; 6.47
 418506; AA084248; Hs.85339; Unknown protein for MGC29843; none,none; 5.91; 1.94
 436345; AA873008; Hs.121572; ESTs; CARD,BIR,zf-C3HC4,CARD,BIR,zf-C3HC4; 5.90; 1.40
 50 414087; W19712; ;gb:zb38603.1|Soares_perithyroid_junc_N; phosphatase,none; 5.85; 0.90
 430396; D49742; Hs.241363; hyaluronan-binding protein 2; ank,death,ZUB,EGF,kringle,lysln,Nebulin,LIM;SS=M; 5.77; 1.24
 431385; BE178536; Hs.11080; membrane-spanning 4-domains, subfamily A; none,none; 5.71; 4.00
 427557; NM_002659; Hs.179857; plasminogen activator, urokinase receptor; UPAR LY6,ET,PLA2_inh;SS=M; 5.71; 3.83
 55 414171; AA360328; Hs.885; RAP1A, member of RAS oncogene family; phosphatase,DAG_PE-bind,RBD,ras,DC1,GFP;TM=M; 5.69; 3.07
 418870; AF147204; Hs.89414; chemokine (C-X-C motif) receptor 4 (hus; 7tm_1,7tm_2);TM=Y;SS=M; 5.68; 12.92
 426317; AW205118; Hs.210546; Interleukin 21 receptor; none;TM=Y;SS=M; 5.66; 5.45
 417863; AB000450; Hs.82771; vaccinia related kinase 2; phosphatase;TM=M; 5.69; 4.19
 60 400151; ; Eos Combin; AT_Jhook, DNA_mts_repair; HATPase_c, UQ_con;TM=M; 5.53; 8.13
 450139; AK001838; Hs.355608; serum/glucocorticoid regulated kinase; none,none; 5.52; 8.61
 418208; X54942; Hs.83758; CDC28 protein kinase 2; CKS; 5.52; 10.04
 433556; WS55321; Hs.111460; calcium/calmodulin-dependent protein kinase; phosphatase,none; 5.51; 6.75
 424701; NM_005923; Hs.151988; mitogen-activated protein kinase kinase kinase; phosphatase;TM=M; 5.47; 4.58
 415875; AA684876; Hs.5587; protein phosphatase 1B (formerly 2C); maf, PP2C;TM=M; 5.43; 5.30
 408761; AA057284; Hs.239936; ESTs, Weakly similar to (define not ava; 7tm_1,none; 5.42; 2.59
 65 415444; BE247295; Hs.78452; solute carrier family 20 (phosphate trans; PHO4,LIM;TM=M; 5.37; 8.69
 444184; T87841; Hs.292990; Human DNA sequence from clone RP1-284120; phosphatase,RI01,APH,KOW;TM=M; 5.36; 3.32
 410434; AF051152; Hs.63968; toll-like receptor 2; LRR,RRCT,TIR;TM=M;SS=M; 5.36; 3.94
 428023; NM_000312; Hs.2351; protein C (inactivator of coagulation fa; EGf,lysln,gla;SS=M; 5.31; 4.30
 421659; NM_014720; Hs.105751; S1e20-related serine/threonine kinase; phosphatase,UVF;TM=M; 5.31; 3.26
 70 429922; Z97630; Hs.226117; H1 histone family, member 0; linker_histone;TM=M; 5.27; 3.12
 440882; AW362152; Hs.27181; nuclear receptor binding factor-2; cyclin,bZIP;TM=M; 5.26; 4.82
 411558; AA102670; Hs.70725; gamma-aminobutyric acid (GABA) A receptor; Neur_chan_LBD,Neur_chan_memb;TM=Y;SS=M; 5.25; 11.26
 426234; U93555; Hs.183123; nuclear receptor subfamily 5, group A, tr; hormone_rec_zf-C4;SS=M; 5.20; 1.11
 408683; R58686; Hs.46847; TRAF and TNF receptor-associated protein; Exo_endo_chos;TM=M; 5.18; 6.25
 75 408657; AA782601; Hs.173328; ESTs; B56,none; 5.18; 5.47
 438746; AB88581; Hs.184727; Human melanoma-associated antigen p97 (m; transferrin, Guanylylata_kin,PDZ,SH3; 5.17; 4.02
 436693; AW297955; Hs.361171; ESTs, Weakly similar to I38022 hypothetical; lipoxygenase,PLAT,none; 5.16; 2.91
 442200; AW590572; Hs.235768; ESTs; none,none; 5.11; 4.22
 418738; AW388633; Hs.6682; solute carrier family 7, (cation amino; none,none; 5.08; 2.71
 80 419088; AI538323; Hs.367688; integrin, beta 8; integrin_B,none; 5.07; 3.53
 414655; N98569; Hs.76422; phospholipase A2, group IIa (platelet; ; phospholip;TM=M;SS=Y; 5.05; 3.42
 408414; AI114688; Hs.193400; ESTs, Weakly similar to 2109260A B cell ; fn3,g;TM=Y;SS=M; 5.05; 3.41
 430407; H23551; Hs.30974; ESTs; phosphatase,PBD,none; 5.03; 1.63
 427127; AW802262; Hs.22265; pyruvate dehydrogenase phosphatase; PP2C,none; 5.00; 5.14

452194; AI694413; Hs.373599; Ubiquitin-like protein FAT10??? - djubiq; none,none; 4.98; 2.65
 410073; AW408163; Hs.58488; catenin (cadherin-associated protein), α ; Stathmin,Vinculin;SS=M; 4.97; 10.60
 409430; R21945; Hs.346735; splicing factor, arginine/serine-rich 5; DSPc,Rhodanese;none; 4.96; 2.87
 5 432841; M93425; Hs.62; protein tyrosine phosphatase, non-recept; Y_phosphatase;SS=M; 4.88; 21.69
 433470; AW960564; Hs.351316; transmembrane 4 superfamily member 1; none;TM=Y;SS=M; 4.88; 4.60
 418529; AW005695; Hs.250897; TRIC-fused gene; Band_41,ERM,pkinase,LRR,LRRC,MAM,Nucleoplasmn,Tropomyosin,OPR,filament,bZIP,G-gamma,M,DUF164;TM=M;; 4.79;
 5.47
 421426; AK001564; Hs.104222; hypothetical protein FLJ10702; eifhand,kaeza,arf,res,7m_1;TM=M;; 4.75; 5.41
 10 414135; NM_004419; Hs.2128; dual specificity phosphatase 5; Rhodanese,DSPh,Y_phosphatase;TM=M;; 4.74; 9.78
 417540; D30857; Hs.B2352; protein C receptor, endothelial (EPCR); none;TM=M;SS=M; 4.73; 4.68
 430630; AW269920; Hs.2621; cystatin A (stein A); cystatin;TM=M;; 4.66; 5.61
 422239; AW379378; Hs.356289; protein tyrosine phosphatase, receptor type t; none,none; 4.63; 6.62
 427333; AF067797; Hs.176558; aquaporin 8; MIP;TM=Y;SS=M; 4.63; 0.80
 15 431890; X17033; Hs.271986; integrin, alpha 2 (CD49b, alpha 2 subunit); vwa,integrin_A,FG-GAP;TM=Y;SS=M; 4.58; 11.38
 428065; AI634046; Hs.157313; ESTs; ICE_p20,DED,ICE_p10,ICE_p20,DED; 4.55; 4.51
 426582; BE336899; Hs.185055; BEINE protein; none;TM=Y;SS=M; 4.54; 8.76
 418224; NM_002902; Hs.79088; reticulocalbin 2, EF-hand calcium bindin; eifhand;SS=M; 4.54; 19.57
 450056; BE047394; Hs.8208; ESTs; Weakly similar to 671512 hypothetical; ABC_tran,ABC_membrane,lg,MHC_JL_beta,SRP54,proteasome,ABC_tran; 4.49; 10.47
 20 414987; AA524394; Hs.294022; hypothetical protein FLJ14950; SH2;TM=M; 4.41; 7.27
 447232; AW499834; Hs.327; interleukin 10 receptor, alpha; none;TM=M;SS=M; 4.41; 10.25
 433209; AW002834; Hs.240955; ESTs; arf,Ca_channel_B,SH3; 4.39; 12.14
 403208; Target Exon; lectin_c;none; 4.37; 0.76
 440486; BE243513; Hs.7212; hypothetical protein PP1044; LRR,PAAD_DAPIN,AAA,CARD,NB-ARC,NA,NA; 4.36; 10.34
 25 414278; AA330116; Hs.355877; Human glucose transporter pseudogene; none,none; 4.35; 7.95
 424833; NM_003894; Hs.153405; period (Drosophila) homolog 2; PAS;SS=M; 4.34; 6.23
 422573; AW297985; Hs.295726; integrin, alpha V (vitronectin receptor; FG-GAP,integrin_A,none; 4.32; 5.85
 418721; NM_002731; Hs.87773; protein kinase, cAMP-dependent, catalytic; plmnase,pkinase_C;SS=M; 4.31; 3.09
 412330; NM_005100; Hs.788; A kinase (PRKA) anchor protein (gravin); none;TM=M;; 4.25; 12.74
 421939; BE189531; Hs.109727; TAK1-binding protein 2; KIAA0733 protein; zf-RanBP,CUE;TM=M;; 4.25; 12.64
 414774; X02419; Hs.77274; plasminogen activator, urokinase; kringle,trypsin,plant_lhionins;SS=M; 4.24; 8.91
 418526; BE019020; Hs.85838; selenomer carrier family 16 (monocarboxylate); none;TM=Y;SS=M; 4.22; 5.27
 415801; R24219; Hs.278443; Fc fragment of IgG, low affinity IIIa; Ig;TM=Y; 4.16; 7.22
 417866; AW067903; Hs.82772; collagen, type XI, alpha 1; Collagen,COL11,TSPN,iaminin_G,CorA;SS=M; 4.16; 9.27
 445496; AB007850; Hs.128002; development and differentiation enhancer; SH3,ank,PH,ArGap;TM=M;; 4.15; 23.43
 30 35 436075; BE090176; Hs.179902; transporter-like protein; none;TM=Y;SS=M; 4.14; 3.76
 414462; BE622743; Hs.301064; eraptin 1; none,none; 4.08; 13.43
 435730; AB020635; Hs.4984; KIAA0328 protein; AdoHcyase,TrkA,N-2-Hscd_DH_C;TM=M;; 4.06; 9.12
 431681; AK000378; Hs.287566; hypothetical protein FLJ20371; suger_Ir;TM=Y;; 4.04; 10.05
 429379; NM_014840; Hs.200589; gene product; kinase, RIO1;TM=M;; 4.00; 6.35
 40 45 429061; Y14039; Hs.195175; CASP6 and FADD-like apoptosis regulator; ICE_p20,DED;TM=M;; 3.98; 5.66
 405203; NM_002086; Homo sapiens growth factor receptor; SH2,SH3;TM=M;; 3.85; 17.71
 409335; NM_001502; Hs.53985; glycoprotein 2 (zymogen granule membrane; zona_pellucida;TM=M;SS=M; 3.84; 0.58
 446006; NM_004403; Hs.13530; deafness, autosomal dominant 5; none;TM=M;SS=M; 3.83; 7.59
 413899; AF083892; Hs.75608; tight junction protein 2 (zonula occludens; SH3,PDZ,Guanylate_Kin;TM=M;; 3.84; 8.89
 438000; AB25880; Hs.5985; non-kinase Cdc42 effector protein SPEC2; none;TM=M;; 3.83; 4.22
 418054; NM_002318; Hs.83354; lysyl oxidase-like 2; SRCR,Lysyl_oxidase;TM=M;SS=M; 3.81; 8.45
 450285; AW383255; Hs.24752; spectrin SH3 domain binding protein 1; SH3;TM=M;; 3.76; 8.49
 417141; U22662; Hs.347353; nuclear receptor subfamily 1, group H, m; hormone_rec_zf-C4;SS=M; 3.77; 4.22
 456376; AA863904; Hs.89862; TNFRSF1A-associated via death domain; death;TM=M;; 3.68; 4.92
 50 55 50 55 438113; AI467908; Hs.8882; ESTs; 7m_1,none; 3.59; 12.12
 414883; AI826950; Hs.348669; CDC28 protein kinase 1; CKS; 3.58; 10.93
 429952; AF080158; Hs.228573; inhibitor of kappa light polypeptide gene; pIphase,ubiquitin,Enterotoxin_A,PHO4,pkinase,ubiquitin; 3.57; 5.10
 415088; AI077288; Hs.374374; serum/glucocorticoid regulated kinase; none,none; 3.56; 4.60
 418478; U38945; Hs.1174; cyclin-dependent kinase inhibitor 2A (me, ank); 3.55; 4.52
 448569; BE382657; Hs.21486; signal transducer and activator of transcription; SH2,STAT,STAT_bind,STAT_prot;TM=M;; 3.54; 8.19
 434606; AA805443; Hs.179909; hypothetical protein FLJ22995; none;TM=M;; 3.52; 9.70
 402288; X02565; Hs.149609; integrin, alpha 5 (fibronectin receptor; integrin_A,FG-GAP;TM=Y;; 3.45; 6.44
 445350; AF052112; Hs.12540; lysophospholipase 1; abhydrolase_2;TM=M;; 3.41; 6.03
 60 65 60 65 418256; AW135406; Hs.37251; ESTs; 7m_1,none; 3.41; 13.97
 408822; AW500715; Hs.57079; Homo sapiens cDNA FLJ13267 fis, clone OV; PIPSK;none; 3.40; 8.97
 426422; AF001601; Hs.169857; paraoxonase 2; Arylesterase;TM=M;; 3.39; 11.24
 431629; AU077025; Hs.265827; Interferon, alpha-inducible protein (clo); none;TM=M;SS=Y; 3.39; 5.10
 414291; AI289619; Hs.13040; G protein-coupled receptor 86; 7m_1,1;TM=Y;SS=M; 3.38; 10.25
 457329; AI634880; Hs.247043; type 1 tumor necrosis factor receptor; hr; Peptidase_M1;SS=M; 3.38; 13.78
 411125; AA151647; Hs.68877; cytochrome b-245, alpha polypeptide; none;TM=Y;SS=M; 3.36; 4.17
 443710; AI28136; Hs.9691; Homo sapiens cDNA: FLJ23249 fis, clone C; G-alpha;none; 3.32; 20.33
 454294; AB000734; Hs.50640; JAK binding protein; SH2;TM=M;; 3.31; 6.94
 408912; AB011084; Hs.46924; KIAA0512 gene product; ALEX2; Armadillo_seg;TM=M;SS=M; 3.29; 3.07
 426726; NM_007118; Hs.367669; triple functional domain (PTPRF) interact; SH3,ig,pkinase,PH,specifIn,RhoGEP;TM=M;; 3.27; 14.90
 427202; AI272922; Hs.173936; interleukin 10 receptor, beta; Tissue_fac;TM=Y;SS=M; 3.24; 4.49
 413076; U10564; Hs.75188; wec1 (S. pombe) homolog; pIphase;TM=M;; 3.24; 12.27
 426976; C75094; Hs.334514; NG22 protein; voltage_CLC;TM=Y;SS=M; 3.23; 13.40
 417534; NM_004998; Hs.82251; myosin IE; SH3,myosin_head,IQ;TM=M;; 3.21; 15.21
 458097; AW341135; Hs.58104; ESTs; none,SH3,PID; 3.21; 7.34
 75 80 75 80 437928; NM_005476; Hs.5920; UDP-N-acetylglucosamine-2-epimerase/N-ac; hexokinase,FGGY,ROK,Epimerase_2;SS=M; 3.20; 8.38
 425177; AF127577; Hs.155017; nuclear receptor interacting protein 1; none;SS=M; 3.19; 5.09
 416094; AW955512; Hs.225977; nuclear receptor coactivator 3; none,none; 3.18; 4.17
 453489; AA300067; Hs.102000; hypothetical protein DFK2p434N185; F6_F8_type_C,pkinase,Ets,F5_F8_type_C,pkinase,Ets; 3.17; 7.88
 414914; U49844; Hs.77613; ataxia telangiectasia and Rad3 related; FAT,ATC,P13_P14_Urase;TM=M;; 3.16; 4.71
 412767; A4233808; Hs.286241; protein kinase, cAMP-dependent, regulatory; SH3,7m_2,cadherin,GPS,Jamrin_G,EGF,Jamrin_EGF,Sulfata_transp,STAS,pNMP_binding,R1a; 3.16;
 7.19
 415862; AW972481; Hs.170610; ESTs; Highly similar to G01867 MEK kinase; pkinase;none; 3.16; 7.21
 407785; AA687538; Hs.38972; telesyan 1; transmembrane4;TM=Y;SS=M; 3.15; 22.66

437175; AW968078; Hs.87773; protein kinase, cAMP-dependent, catalytic; kinase, kinase_C,none; 3.14; 11.72
 409270; BE090051; Hs.23120; PIST; In3; kinase, PDZ,DUF139; TM=Y; SS=M; 3.09; 7.81
 419591; AF090900; Hs.91393; Homo sapiens cDNA: FLJ21887 f1, clone H; PDZ,L27; TM=M; 3.06; 5.46
 447225; R62676; Hs.17820; Rho-associated, coiled-coil containing p; PR,phosphatase,HR1,none; 3.04; 13.05
 5 412692; AF044288; Hs.74515; aryl hydrocarbon receptor nuclear trans; Hh; PAS,PAC; TM=M; 2.95; 12.28
 409274; NM_003930; Hs.52644; SKAP55 homologue; SH3,PH; SS=M; 2.90; 14.62
 417707; AL035786; Hs.62425; actin related protein 2/3 complex, subunit; none; TM=M; 2.90; 11.00
 427045; Hs6504; Hs.173328; protein phosphatase 2, regulatory subunit; B56; TM=M; 2.89; 6.12
 10 431177; NM_003304; Hs.250687; transient receptor potential channel 1; loc_trans,ank; TM=Y; 2.89; 6.53
 443426; AF098158; Hs.9329; chromosome 20 open reading frame 1; none; TM=M; 2.87; 9.18
 418546; AA224827; gbaac32g04,s1 NCI_CGAP_Pt2 Homo sapiens ; vwa,integrin,AFG-GAP,none; 2.86; 9.94
 446668; W58363; Hs.285123; Homo sapiens mRNA full length insert cDNA; NDK,PH,Oxysterol_BP; SS=M; 2.85; 14.25
 454080; AI199711; Hs.576; fucosidase, alpha-L- 1, fucosidase; Alpha_L_fucosidase; TM=M; SS=M; 2.81; 28.84
 15 432874; W94322; Hs.279851; melanoma inhibitory activity; SH3; TM=M; SS=Y; 2.80; 10.53
 433000; U26710; Hs.3144; Cas-Br-M (murine) ectopic retroviral tr; zf-C3HC4,UBA,Cbl_N,Cbl_N2,Cbl_N3;; 2.77; 10.93
 444480; AW192879; Hs.355660; ancient conserved domain protein 4; none,none; 2.77; 12.58
 417904; AI750762; Hs.82911; protein tyrosine phosphatase type IVA, m; Y_phosphatase,DSP; TM=M; 2.76; 12.78
 425204; NM_002436; Hs.1881; membrane protein, palmitoylated 1 (65kD); SH3,PDZ,Guanylate_kin; SS=M; 2.74; 5.71
 20 419262; AA834664; Hs.29131; nuclear receptor coactivator 2; PAS,zf-C2H2,SET; 2.73; 12.50
 410793; AW581906; Hs.66392; Intersectin 1 (SH3 domain protein); SH3,afhand,C2,PH,RhoGEF,M; SS=M; 2.73; 9.84
 446081; A972412; Hs.13755; f-box and WD-40 domain protein 2; WD40,F-box,Ribosomat_L14; TM=M; 2.71; 12.29
 414443; AU077269; Hs.76144; platelet-derived growth factor receptor; Ig,kinase; TM=Y; 2.71; 10.53
 452683; AI089575; Hs.374574; progesterone membrane binding protein; homeobox,none; 2.69; 12.53
 423533; NM_014339; Hs.129751; interleukin 17 receptor; none; TM=Y; SS=M; 2.67; 8.59
 25 422627; BE336857; Hs.118787; transforming growth factor, beta-induced; Fasccin,ABC_tran,ABC_membrane,GTP_EFTU; TM=M; SS=M; 2.67; 12.22
 453915; AA588721; Hs.12284; ribosomal protein L44; none,T-box; 2.65; 6.38
 416810; AF035608; Hs.80019; programmed cell death 6; afhand; TM=M; 2.61; 13.89
 439588; BE332057; Hs.5639; hypothetical protein MGC15440; none; TM=M; SS=M; 2.58; 10.19
 30 449924; W30581; Hs.146233; Homo sapiens cDNA: FLJ22130 f1, clone H; SH3,none; 2.56; 19.04
 412926; AI879076; Hs.75061; macrophage myristoylated alanine-rich C ; MARCKS; SS=M; 2.55; 14.99
 439237; AW408158; Hs.318893; ESTs; Weakly similar to A47582 box gr; Funn-like,kinase,Recep_L_domain,YLP,none; 2.52; 14.71
 409098; AA132672; Hs.7984; pleckstrin homology, Sec7 and coiled-coil; PH,Sec7; TM=M; 2.51; 14.51
 413040; AA193338; Hs.12321; sodium calcium exchanger, Na_Ca_Ex; TM=Y; SS=M; 2.49; 9.28
 35 422070; AF149785; Hs.111126; pituitary tumor-transforming 1 Interact; TCTP; TM=M; SS=Y; 2.45; 12.49
 452289; BE568205; Hs.28827; mitogen-activated protein kinase kinase; kinase; TM=M; 2.44; 6.68
 427657; AV652249; Hs.180107; polymerase (DNA directed), beta; none; TM=M; 2.43; 7.97
 446287; BE247683; Hs.14611; dual specificity phosphatase 11 (RNA/RNP); DSP; SS=M; 2.41; 9.51
 410017; AW952426; Hs.109438; Homo sapiens clone 24775 mRNA sequence; none,none; 2.41; 14.01
 424756; AW504657; Hs.152931; lamin B receptor; ERG4_ERG24,FKBP; TM=Y; 2.40; 5.98
 40 447580; AI953360; Hs.88201; ESTs; none,none; 2.36; 11.63
 426276; AW881411; Hs.165078; hypothetical protein FLJ23018; hormone_rec,zf-C4; TM=M; 2.34; 13.34
 424441; X14650; Hs.147097; H2A histone family, member X; histone,CBFD_NFYB_HMF; 2.33; 12.17
 429523; NM_005308; Hs.211569; G protein-coupled receptor kinase 5; kinase,RGS; TM=M; 2.32; 15.80
 439866; AA280717; Hs.6727; Ras-GTPase activating protein SH3 domain; rm,NTF2; TM=M; 2.32; 12.48
 45 453648; W21493; Hs.28328; hypothetical protein FLJ14005; none,none; 2.31; 13.19
 443951; F13272; Hs.356835; fibrin, light polypeptide; PMP22_Claudin,none; 2.31; 8.51
 453327; AW500180; Hs.365109; hypophosphoryl-IRNA synthetase; rm,vwa,FG-GAP; 2.30; 13.02
 439256; AA322302; Hs.183302; PCTAIRE protein kinase 2; none,none; 2.26; 10.36
 50 424467; AI828592; Hs.350026; Dnaj (Hsp40) homolog, subfamily B, member; Dnaj,kinase,UBA,kinase_C; SS=M; 2.26; 11.82
 426440; BE332755; Hs.165902; solute carrier family 2 (facilitated glu; sugar); TM=Y; SS=M; 2.26; 12.54
 456607; AI660190; Hs.106070; cyclin-dependent kinase inhibitor 1C (p5; CDI; TM=M; 2.25; 13.11
 423950; AA164516; Hs.136509; SH3-containing protein SH3GLB1; SH3,none; 2.20; 20.05
 424058; AI121516; Hs.138617; thyroid hormone receptor Interactor 12; HECT; WW; TM=M; 2.20; 13.38
 446644; NM_003272; Hs.15791; transmembrane 7 superfamily member 1 (up; none; TM=Y; SS=M; 2.18; 15.68
 55 411218; H45440; Hs.180526; dynamin 1-like; dynamin_2,dynamin_GEO,none; 2.18; 13.83
 414721; X90392; Hs.77091; ribosomal protein L10; Exo,endo,phos,Ribosomat_L10e,Acyltransferase,SCP; TM=M; SS=M; 2.14; 11.24
 421759; AA027966; Hs.107979; small membrane protein 1; none; TM=Y; SS=M; 2.14; 14.03
 416240; NM_001981; Hs.79093; epidermal growth factor receptor pathway; effendi,DUF164; TM=M; 2.13; 12.86
 60 435521; W23814; Hs.6361; mitogen-activated protein kinase kinase; none,none; 2.12; 11.08
 409940; BE174829; Hs.321130; hypothetical protein MGC2771; aa_permeases,pyridoxal_deC,bromodomain,PHD,MBD,AT_hook,DDT,PI3_PI4_kinase,FAT,FATC,BolA,RUN; TM=M;; 2.12; 14.05
 453064; R40334; Hs.89483; potassium large conductance calcium-acti; none,none; 2.12; 8.96
 409223; AA312572; Hs.362852; phosphoinositide-3-kinase, regulatory su; SH2,SH3,RhoGAP,none; 2.08; 11.60
 65 414482; S57498; Hs.76262; endothelin receptor type A; 7tm_1; TM=Y; SS=M; 2.06; 14.23
 414496; W73853; Hs.355424; ESTs; kinase,F5_F8_type_C,adn_short,none; 2.05; 13.45
 450455; AI117424; Hs.25035; chloride intracellular channel 4; none; TNF; 2.05; 19.04
 449906; NM_005638; Hs.24167; synaptobrevin-like 3; synaptobrevin,NTF2; TM=Y;; 2.04; 13.34
 422112; BE540240; Hs.111783; Lsm1 protein; Sm,BAG; SS=M; 2.03; 12.60
 434935; BE581824; Hs.273369; uncharacterized hematopoietic stem/proge; none; TM=M; 2.02; 10.52
 433427; AI816449; Hs.171889; cholinophosphotransferase 1; SH2,COP-OH_P_transf; TM=M; 2.02; 16.87
 410850; AW362867; Hs.302738; Homo sapiens cDNA: FLJ21425 f1, clone C; Sulfatase_trans,STAS,HMG_box; 2.02; 9.37
 440481; AA182907; Hs.7200; Homo sapiens, clone MGC:16714, mRNA, com; kinase,RCCL1; TM=M; 2.02; 12.31
 434645; AF255303; Hs.112227; membrane-associated nucleic acid binding; zf-CCCH,gpdh,Adano_E1B_55K,zf-C3HC4; TM=M; 2.00; 9.15
 410113; AW995584; Hs.250824; Homo sapiens cDNA: FLJ23435 f1, clone H; kinase,none; 1.99; 10.64
 70 414636; AL120259; Hs.76691; stanni; none; TM=M; SS=Y; 1.96; 7.72
 408176; AK001553; Hs.43436; adenylyl kinase 3 alpha like; adenylylkinase,none; 1.95; 14.95
 422690; AI077275; Hs.119222; suppression of tumorigenicity 13 (colon ; TPR; TM=M; 1.94; 10.91
 427881; BE538298; Hs.323834; cytochrome c oxidase subunit Va; none,GKAP; 1.93; 20.57
 75 433387; L76528; Hs.3260; presenilin 1 (Alzheimer disease 3); Presenilin,tmr_3,oxidored_g5_N; TM=Y;; 1.92; 12.58
 453988; AF082569; Hs.36794; D-type cyclin-interacting protein 1; B58; TM=M; 1.90; 12.74
 433592; NM_004642; Hs.3436; deleted in oral cancer (mouse, homolog) ; none; TM=M; 1.89; 23.27
 447791; BE241859; Hs.19575; CGI-11 protein; V-ATPase_H_Armadillo_seg; TM=M; 1.88; 12.82
 426359; AA376409; Hs.10862; Homo sapiens cDNA: FLJ23313 f1, clone H; edenylatekinase,none; 1.88; 14.95

- 432650; D00860; Hs.56; phosphoribosyl pyrophosphate synthetase ; none;none; 1.88; 12.70
 424250; AF073310; Hs.143648; insulin receptor substrate 2; PH,IRS;TM=M; 1.86; 19.50
 424402; BE268621; Hs.149155; voltage-dependent anion channel 1; Euk_porin;SS=M; 1.85; 11.29
 425335; BE394327; Hs.296267; follistatin-like 1; afmd,kazal,arf,res,7tm_1;TM=M; 1.85; 13.62
 426122; NM_009325; Hs.168975; splicing factor, arginine/serine-rich 5; mm;SS=M; 1.83; 10.88
 451579; AW607731; Hs.26670; Human PAC clone RP3-515N1 from 22q11.2-q; kningle;TM=Y;SS=M; 1.83; 20.35
 428901; AI929560; Hs.146668; KIAA1263 protein; 7tm_2,UPF0073,TMS_TDE;TM=Y;SS=M; 1.83; 19.00
 453963; AA040311; Hs.28959; ESTs; pklnase,Activin_recpt,none; 1.82; 15.25
 417414; AA434569; Hs.357676; dUTP pyrophosphatase; dUTPase,KRAB; 1.81; 14.20
 10 414521; D28124; Hs.76307; neuroblastoma, suppression of tumorigen; DAN;TM=M;SS=M; 1.81; 22.29
 425356; BE244679; Hs.155939; Inositol polyphosphate-5-phosphatase, 14; Exo_endo_phos,SH2;TM=M; 1.80; 18.30
 417733; AL048678; Hs.82503; Hs.sapiens mRNA for 3'UTR of unknown prot; none;NA;NA; 1.80; 6.28
 424805; AF230904; Hs.153260; c-Cbl-interacting protein; SH3;TM=M; 1.80; 11.99
 420747; BE294407; Hs.99910; phosphofructokinase, platelet; PKF;TM=M; 1.79; 25.25
 15 416819; U77735; Hs.80205; pim-2 oncogene; pklnase;SS=M; 1.78; 15.25
 437708; AB033020; Hs.5801; KIAA1194 protein; LRR,Exo_endo_phos;TM=M; 1.77; 11.11
 439877; Hs9685; Hs.258730; tryptase beta 1; pklnase;SS=M; 1.77; 21.91
 440256; U23841; Hs.18851; hypothetical protein FLJ10875; none,UBA,UBX; 1.76; 12.95
 20 425367; BE271188; Hs.155975; protein tyrosine phosphatase, receptor ; none;TM=M;SS=Y; 1.76; 21.01
 414703; BE243877; Hs.374366; ATPase, Na? transporting, beta 3 polypep; Na-K-ATPase;TM=Y;SS=M; 1.75; 20.03
 443693; AI347923; Dnat (Hsp40) homolog, subfamily C, member; mm,DnaJ,TPR;TM=M; 1.75; 13.29
 437412; BE060288; Hs.34744; Homo sapiens mRNA; Hs.DKFXZp547C136 (f); ABC_Iran,GTP_EFTU,ABC_membrane,none; 1.75; 8.75
 413796; AW408094; Hs.75545; Interleukin 4 receptor; fn3,granulin;TM=M;SS=M; 1.74; 14.73
 438436; AA257992; Hs.50615; Janus kinase 1 (a protein tyrosine kinase); pklnase,SH2,adenylatekinase,none; 1.73; 24.10
 25 429655; U48969; Hs.211582; myosin, light polypeptide kinase; pklnase,fn3,lg,none; 1.73; 31.59
 421456; AW579842; Hs.104557; hypothetical protein FLJ10697; zf-C2H2,DUF18,efhand,C2,PI-PLC-Y,PI-PLC-X;TM=M; 1.73; 16.87
 444252; R21135; Hs.54985; ESTs; none;none; 1.73; 10.40
 442819; BE622721; Hs.284275; Homo sapiens PAK2 mRNA, complete cds; none,pklnase,PBD; 1.89; 14.02
 447918; AL129320; Hs.115175; ESTs. Highly similar to JC5818 gamma-act pklnase,SAM,none; 1.68; 17.14
 429279; AB018271; Hs.198689; KIAA0728 protein; Myosin_tail,efhand,spectrin,GA52,Myosin_tai; 1.68; 14.21
 450440; AB024334; Hs.25001; tyrosine 3-monooxygenase/tryptophan 5-oxo; 14-3-3;TM=M; 1.67; 24.67
 413423; AU076684; Hs.75350; vinculin; Vinculin,none; 1.65; 29.28
 420872; AW814816; Hs.31431; hypothetical protein FLJ12171; Fructosamin_kin;SS=M; 1.65; 10.75
 30 416884; M60484; Hs.80350; protein phosphatase 2 (formerly 2A), cat; Metallophos;SS=M; 1.63; 24.55
 436719; Y111192; Hs.5299; aldehyde dehydrogenase 5 family, member ; lipoicacid,aldehyd,ubiquitin,IRK;SS=M; 1.61; 11.20
 419223; X60111; Hs.1244; CD9 antigen (p24); transmembrane4;TM=Y;SS=M; 1.61; 14.93
 414176; BE140838; Hs.75794; EDG-2 (endothelial differentiation, tyro; 7tm_1,CRCB;TM=Y;; 1.61; 8.03
 431476; BE612705; Hs.256697; histidine triad nucleotide-binding prote; HIT;SS=M; 1.60; 24.37
 40 412347; AW970026; Hs.73818; ubiquinol-cytochrome c reductase hinge p; UCR_hinge,G-alpha,er;TM=M; 1.59; 18.08
 423804; AW403446; Hs.17076; interferon-stimulated transcription fact; IRF_zf-C3HC4,IRR,zf-RanBP;TM=M; 1.59; 10.99
 426552; BE287660; Hs.170328; moesin; Band_41,ERM,pklnase,LR,LRRCT,MAM,Nucleoplasmmin,Tropomyosin,OPR,filament,bZIP,G-gamma,M,DUF164;TM=M; 1.58; 25.97
 428216; M18468; Hs.183037; protein kinase, cAMP-dependent, regulato; cNMP_binding,R1la;SS=M; 1.58; 10.58
 421251; Z28913; Hs.102948; enigma (LM domain protein); LM,PDZ;SS=M; 1.56; 13.51
 45 448581; NM_002709; Hs.21537; protein phosphatase 1, catalytic subunit;none,none; 1.55; 12.33
 417098; AB017365; Hs.173859; frizzled (Drosophila) homolog 7; Frizzled,Fz,7tm_2,toxin_2;TM=Y;SS=M; 1.55; 13.77
 437076; AA951260; Hs.5443; BCL2-associated athanogene 5; BAG,Human_nucleocap;TM=M; 1.54; 10.93
 426653; AA530892; Hs.171695; dual specificity phosphatase 1; Rhodanese,DSPC,Y_phosphatase;TM=M; 1.54; 11.88
 421143; AB024536; Hs.102171; immunoglobulin superfamily containing le; ig,LRR,LRRNT,LRRCT;TM=M;SS=M; 1.53; 23.05
 50 414457; AW514320; Hs.76159; ATPase, H transporting, lysosomal (vacu; pklnase,ATP-synt_C,none; 1.53; 32.59
 414382; AW380339; Hs.80068; hemoprotectin PBX-interacting protein; M;TM=M; 1.52; 8.66
 450998; BE387614; Hs.25797; splicing factor 3b, subunit 4, 49kD; rnm;TM=M; 1.52; 11.74
 402705; ; activator of S phase kinase; AtpC-TSA;TM=M;SS=M; 1.51; 26.85
 426268; AF063420; Hs.168913; serine/threonine kinase 24 (Ste20, yeast); pklnase;SS=M; 1.50; 24.04
 55 414604; AU076649; Hs.76556; growth arrest and DNA-damage-inducible 3; none;TM=M; 1.50; 14.35
 445584; AF217516; Hs.8360; PTD012 protein; none;SS=M; 1.49; 12.00
 407232; X04526; ;gb:Human liver mRNA for beta-subunit sig; WD40;TM=M; 1.49; 19.32
 424202; NM_003734; Hs.198241; amine oxidase, copper containing 3 (vacu; Cu_amine_oxid,Cu_amine_oxidN2,Cu_amine_oxidN3;TM=M;SS=M; 1.48; 13.21
 458761; AF090922; Hs.152738; mitochondrial ribosomal protein L11; ER_Junior_recept,Ribosomal_L11,Ribosomal_L11_N;TM=Y;SS=M; 1.48; 12.50
 60 426340; Z57989; Hs.169370; FYN oncogene related to SRC, FGR, YES; BNR,SH2,SH3,phosphatase;TM=Y;SS=M; 1.48; 17.75
 414160; AW888841; Hs.76789; N-myc downstream regulated; DEAD, helicase,C,rrn,Ndr,Cys_Jnt,TIL,vwa,wvd,IQ,R1la,abhydrolase,TGF-
 beta,DUF139,TPR,DSPC,bsp_1,Ribosomal_S21,rvp;TM=M; 1.46; 20.47
 452515; AA056630; Hs.29759; RNA POLYMERASE I AND TRANSCRIPT RELEASE; none;SS=M; 1.46; 12.72
 414240; AL046742; Hs.75842; dual-specificity tyrosine-(Y)-phosphoryl; pklnase;SS=M; 1.46; 14.38
 65 420532; AA248016; Hs.194110; hypothetical protein PRO2730; pklnase,WD40;SS=M; 1.43; 13.92
 402575; ; Rho GTPase activating protein 1; PAP2;TM=Y;SS=M; 1.43; 13.71
 414765; X07854; Hs.77269; guanine nucleotide binding protein (G pr, G-alpha,ar;TM=M; 1.41; 24.62
 448423; BE390905; Hs.21198; translocase of outer mitochondrial membr; TPR;TM=M;SS=M; 1.41; 10.70
 422587; AI879352; Hs.118625; hexokinase 1; hexokinase,hexokinase2;TM=M; 1.41; 19.31
 70 415995; NM_004573; Hs.355889; phospholipase C, beta 2; C2,PI-PLC-X;TM=M; 1.40; 11.21
 446108; AL036595; Hs.42322; kinase (PRKA) anchor protein 2; Paralemmitt;TM=M; 1.40; 13.98
 427721; AI582843; Hs.180455; RAD23 (S. cerevisiae) homolog A; ubiquitin,UBA,integrin_B;SS=M; 1.39; 15.01
 417891; W79410; Hs.82887; protein phosphatase 1, regulatory (inhib; none;TM=M; 1.39; 15.97
 427373; AB007972; Hs.130760; myosin phosphatase, target subunit 2; ank;TM=M;; 1.39; 14.49
 75 446334; U52427; Hs.14839; polymerase (RNA) II (DNA directed) polyp;
 COX8,SHMT,MIF,GST_C,EF1G_dormain,GST_N,S1,F2,Frizzled,calreolin,7tm_2,rrm,PAP_assoc;TM=Y;SS=M; 1.38; 12.58
 447042; AB035863; Hs.162217; succinate-CoA ligase, ADP-forming, beta ; ligase-CoA,ATP-grasp,Zip,CPSase_1_D2,GARS_B;TM=Y;SS=M; 1.37; 11.37
 427705; AB070421; Hs.180394; signal recognition particle 14kD (homolo; SRP14,TNFR_c6;SS=M; 1.37; 22.05
 425989; AW576265; Hs.301763; KIAA0554 protein; SH3,FCH,HR1;TM=M; 1.37; 13.68
 80 433572; ALD46585; Hs.3407; protein kinase (cAMP-dependent, catalyti; PKI;SS=M; 1.35; 12.43
 410597; W16618; Hs.279518; amyloid beta (A4) precursor-like protein; Kunzle_BPT1,A4_EXTRA,Coprogen_oxides;TM=Y;SS=M; 1.34; 22.54
 418424; Y13622; Hs.85087; latent transforming growth factor beta 1; EGF,TB,spider toxin,granulin,ANF_receptor;SS=M; 1.34; 12.09
 442603; AL035719; Hs.303091; pleckstrin homology, Sec7 and coiled/coil; PH,Sec7;TM=M; 1.34; 11.40
 418043; AW377752; Hs.83341; AXL receptor tyrosine kinase; fn3,lg,pklnase;TM=Y;SS=M; 1.31; 10.79

439278; AF077046; Hs.6518; ganglioside expression factor 2; MAP1_LC3,aminotran_3;TM=M; 1.31; 15.89
 425875; AU077333; Hs.160483; erythrocyte membrane protein band 7.2 (s; PBP,Band_7;TM=M; 1.31; 17.93
 407744; AB020629; Hs.38095; ATP-binding cassette, sub-family A (ABC1; ABC_Iran,PRK;TM=Y;SS=M; 1.29; 10.95
 420679; X57152; Hs.99853; fibrillerin; CK_I_beta,Fibrillarin,WD40;TM=M; 1.29; 18.69
 5 427397; A1929685; Hs.177636; calmodulin 1 (phosphorylase kinase, delta; almod, RnaAD;SS=M; 1.29; 15.68
 424661; M29551; Hs.151531; protein phosphatase 3 (formerly 2B); cat; Metallophos;TM=M; 1.28; 13.39
 428950; BE311879; Hs.194673; phosphoprotein enriched in astrocytes 15; DED;TM=M; 1.27; 11.15
 440820; AL031846; Hs.356416; plakophilin 4; none,none; 1.26; 10.65
 10 448153; Y10805; Hs.20521; HMT1 (hnRNP methyltransferase, S. cerevi; NusG;SS=M; 1.25; 12.07
 447385; NM_006289; Hs.375001; KIAA1027 protein; Band_4_1_L_WEQ,Apolipoprotein,IRS;SS=M; 1.22; 10.65
 433053; BE301909; Hs.279952; glutathione S-transferase subunit 13 hom; KCCA_isomerase;TM=M; 1.20; 15.78
 440708; AF038962; Hs.7381; voltage-dependent anion channel 3; Euk_porin,Enterotoxin_A,PHO4,none; 1.20; 14.06
 417059; AA442192; Hs.3749B0; cytochrome c oxidase subunit VIII; COX8,SHMT,MIF,GST_C,EF1G_domain,GST_N,S1,Fz,Frizzled,cathepsin,7r2,rrm,PAP_assoc;TM=Y;SS=M;
 1.18; 16.91
 15 402559;; Rho GTPase activating protein 1; PAP2;TM=Y;SS=M; 1.16; 15.49
 426366; BE242634; Hs.2055; ubiquitin-activating enzyme E1 (A1S9T an; ThiF,UBACT;TM=M; 1.14; 10.99
 428773; BE256238; Hs.193163; bridging integrator 1; BAR,SH3;SS=M; 1.14; 11.38
 408906; Z25424; qbl;Hs;apelin protein-serine/threonine;kt;none,none; 1.13; 12.97
 20 449332; AW888222; Hs.9973; tensin; SH2,WW,PD;none; 1.07; 15.41
 421996; AW583807; Hs.1460; glucagon; hormone2;SS=M; 59.35; 1.61
 414998; NM_002543; Hs.77729; oxidized low density lipoprotein (lectin; lectin_c;TM=Y;SS=M; 22.96; 4.67
 442573; H93266; Hs.7567; branched chain aminotransferase 1, cytos; aminotran_4;none; 21.41; 1.15
 451035; AU076785; Hs.430; plasmin 1 (I isoform); effhand,CH,Adaplin_N;SS=M; 19.25; 3.53
 408243; Y00787; Hs.624; Interleukin 8; HLR,PAR,IL8;TM=M; 15.53; 4.34
 25 421340; F07783; Hs.1369; decaying accelerating factor for complement; sushi;SS=M; 14.84; 19.59
 422260; AA315993; Hs.105484; regenerating gene type IV; lectin_c;SS=M; 14.71; 2.89
 430280; AA361258; Hs.237868; Interleukin 7 receptor; fn3,none; 14.28; 11.47
 412116; AW402166; Hs.784; Epstein-Barr virus induced gene 2 (lymph; 7m1_1;TM=Y;SS=M; 12.71; 12.56
 451820; AW058357; Hs.192428; ESTs; 7m1_1;TM=Y;SS=M; 10.18; 2.67
 30 418693; A1750878; Hs.87409; thrombospondin 1; EGF,Isp_1,ww,TSPPN,isp_3;SS=M; 9.72; 6.94
 448105; AW591433; Hs.298241; Transmembrane protease, serine 3; Ig_recept_a,trypsin;TM=Y;SS=M; 9.67; 4.06
 456266; L29073; Hs.198726; cold shock domain protein A; 7m1_2,HRM,CSD;TM=Y;SS=M; 9.62; 2.36
 413095; AA494359; Hs.30715; potassium voltage-gated channel, tsk-raf; none,START; 9.15; 2.18
 35 417933; X02308; Hs.82962; thymidylate synthetase; thymidylat_synt,MR_MLE,MR_MLE_N;SS=M; 8.87; 5.01
 433334; A192720; Hs.231958; matrix metalloproteinase 28; Papillase_M10;none; 8.71; 4.28
 418030; BE207573; Hs.83321; neuromedin B; Bombesin;TM=M;SS=Y; 8.38; 1.55
 434347; U20536; Hs.3280; caspase 6; apoptosis-related cysteine pr; ICE_p10,ICE_p20;SS=M; 8.31; 4.23
 449523; NM_000579; Hs.54443; chemokine (C-C motif) receptor 5; 7m1_1;TM=Y;SS=M; 8.26; 5.49
 428813; BE220806; Hs.184697; Homo sapiens clone 23785 mRNA sequence; PSl;none; 8.13; 13.28
 40 449444; AW818436; Hs.351308; soleate carboxylase 16 (monocarboxylic; none;TM=Y;SS=M; 7.89; 7.00
 453459; BE047032; Hs.257789; ESTs; none,none; 7.40; 0.60
 436729; BE621807; Hs.351316; transmembrane 4 superfamily member 1; none;TM=Y;SS=M; 7.28; 5.78
 426761; A1015709; Hs.172089; FORMIN Pro-oncotic receptor inducing me; none;TM=Y;SS=M; 7.25; 7.22
 426158; NM_001982; Hs.199067; v-erb-b2 avian erythroblastic leukemia v; Furin-like,phkinese,Recep_L_domain,Furin-like,phkinese,Recep_L_domain,Peptidase_M24; 7.13; 3.97
 45 419968; X040430; Hs.93913; interleukin 6 (interleukin; beta 2); IL6;SS=Y; 6.93; 3.43
 457133; M54968; Hs.351221; v-Ki-ras2 Kirsten rat sarcoma 2 viral on; ras,ldh;SS=M; 6.90; 2.85
 420344; BE463721; Hs.97101; pufative G protein-coupled receptor; Methyltrans; 5;TM=Y;SS=M; 6.88; 3.10
 417874; BE616160; Hs.82892; protein tyrosine phosphatase; non-recept; Y_phosphatase;TM=Y; 6.42; 2.26
 50 427969; NM_001963; Hs.2230; epidermal growth factor (beta-urogastrom; EGF;Idl_recept_b;EB;TM=M;SS=M; 6.37; 1.07
 430396; D49742; Hs.241363; hyaluronan-binding protein 2; ankr,death,ZU5,EGF,kringle,trypsin,Nebulin,LIM;SS=M; 5.77; 1.24
 427557; Y002659; Hs.179657; plasminogen activator, urokinase recepto; urokinase recepto; UPAR_LY6,ET,PLA2,inh;SS=M; 5.71; 3.83
 418283; S79895; Hs.83942; cathepsin K (pyrolysisosin); Peptidase_C1;SS=M; 5.59; 38.68
 458471; AV848509; Hs.194240; ESTs; none,none; 5.23; 1.05
 55 433470; AW860584; Hs.351316; transmembrane 4 superfamily member 1; none;TM=Y;SS=M; 4.88; 4.60
 432329; AF007833; Hs.32417; hypothetical protein MGC4309; none;TM=M; 4.56; 4.98
 410867; X53556; Hs.750; fibrillin 1 (Marfan syndrome); EGF,TB,wn,EB,TB;SS=M; 4.32; 26.87
 417512; X76534; Hs.82220; glycoprotein (transmembrane) memb; PKD;TM=Y;SS=M; 4.26; 9.04
 414825; X063370; Hs.77432; epidermal growth factor receptor (avian; Furin-like,phkinese,Recep_L_domain;TM=M;SS=M; 3.94; 1.16
 60 439180; A1393742; Hs.199057; v-erb-b2 avian erythroblastic leukemia v; Furin-like,phkinese,Recep_L_domain,Furin-like,phkinese,Recep_L_domain;TM=M;SS=M; 3.78; 2.21
 419508; AW997938; Hs.90788; ATP-binding cassette, sub-family C [CFTR; ABC_Iran,ABC_membrane;TM=Y;SS=M; 3.47; 2.24
 419749; X73808; Hs.93029; sparc/beta-neurofotin; cwcw and kazal-like d; kazal,Ihnglobulin_1;SS=M; 3.37; 7.10
 436676; A1458213; Hs.77542; E8Ts; 7m1_1,Dnaj; 3.16; 3.27
 428033; AW594506; Hs.104830; ESTs; none,none; 2.81; 3.40
 65 459583; A1674906; Hs.198460; gbwcf3f02,x1 NCL_CGAP_Pan1 Homo sapiens; none;TM=Y; 2.77; 1.38
 414443; AU077266; Hs.76144; platelet-derived growth factor receptor; Ig,phkinese;TM=Y; 2.71; 10.53
 430451; AA836472; Hs.297939; cathepsin B; Peptidase_C1,pro_Isomerase;SS=M; 2.28; 14.59
 428953; AA308610; Hs.348183; tumor necrosis factor receptor superfam; 60s_ribosomal,Ribosomal_L10,TNFR_p6,DEAD;; 2.21; 6.33
 434966; AW840171; Hs.265358; PAR-6 beta; none,none; 2.17; 2.00
 70 418641; BE243136; Hs.86947; a disintegrin and metalloprotease domain; disintegrin,Reprolysin,Pep_M12B_propep,EGF;TM=Y;SS=M; 1.91; 13.06
 414521; D2B124; Hs.76307; neuroblastoma, suppression of tumorigen; DAN;TM=M;SS=M; 1.81; 22.29
 419452; U33635; Hs.90572; PTK7 protein tyrosine kinase 7; Ig,phkinese;TM=Y;SS=M; 1.52; 8.40
 452795; AW392555; Hs.18878; hypothetical protein FLJ21620; 2OG-Ferr, Oxy;TM=M; 1.49; 3.29
 432199; A1693815; Hs.127179; cryptic gene; none;TM=M;SS=M; 1.23; 1.60
 453966; BE148734; Hs.63325; transmembrane protease, serine 4; trypln,Idl_recept_a;none; 1.00; 3.92
 75 445418; AW139377; Hs.127179; cryptic gene; none,none; 1.00; 2.45
 451106; BE382701; Hs.25980; N-MYC oncogene; HLR,Myc_N_termin;TM=M;; 1.00; 1.87
 447993; AW139525; Hs.170362; ESTs; none,none; 1.00; 1.30

TABLE 428

Key: Unique Eos probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

	Pkey	CAT Number	Accession
5	406685	0_0	M18728
	414087	1632850_1	W19712 BE247277
	400151	9575_21	BC006850 U07418 NM_000249 U07343 AL574783 BI090482 BG684481 AA385302 BG196167 BI091720 BG195132 AI680106 AI457552 AA402478
	418546	242836_1	BG249588 AA347119 BG755995 BG822578
			T59708 AA224827 T59843 BE156903

10 TABLE 42C

Pkey: Unique number corresponding to an Eos probeset
 Ref: Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham I. et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham I. et al., *Nature* (1999) 402:489-495.
 15 Strand: Indicates DNA strand from which exons were predicted.
 Nt_position: Indicates nucleotide positions of predicted exons.

	Pkey	Ref	Strand	Nt_position
20	406399	9256288	Minus	63448-63554
	405102	8076881	Minus	120922-121296
	403344	8569726	Plus	70823-70990
	405565	1552511	Plus	153405-153564,154623-154876,155272-15540
25	405566	1552511	Plus	163497-163623,164715-164968,165369-16550
	405204	7230116	Plus	128589-128754
	406366	9256126	Minus	10639-10800,10890-11023,11113-11293
	400539	7574902	Plus	8559-8721
	403208	7630829	Minus	147708-147903,148667-148804
30	405203	7230116	Plus	125295-125463
	402705	8782736	Plus	89581-90114,90773-90895,91131-91261
	402575	9984830	Minus	109742-109883
	402559	9864273	Plus	33539-33715

35

TABLE 43A: 43 genes upregulated in pancreatic cancer relative to normal body tissues

Table 43A lists about 43 genes upregulated in pancreatic cancer relative to normal body tissues that are likely to encode proteins particularly useful for diagnostic or prognostic applications. These genes were selected from 59680 probesets on the Eos/Affymetrix Hu3 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average Intensity (AI), a normalized value reflecting the relative level of mRNA expression. The protein products of these genes often contain one or more domains indicative of have oncogenic function or of transducing intracellular signals, or of being modulatable by small molecules, peptides, or antibodies (e.g. kinase, death-domain, 7tm, phosphatase, or ion_transporter). Certain predicted protein domains are noted.

45	Pkey:	Unique Eos probeset identifier number
	ExAccn:	Exemplar accession number, GenBank accession number
	UniGeneID:	UniGene number
	Pred.Prot.Domains:	Certain predicted protein domains. Abbreviations used: TM, transmembrane domain; SS, signal sequence; =Y, very likely to contain; =M, likely to contain; other protein domain abbreviations are from PFAM (Nucleic Acids Research, 2002, 30:278-280).
50	UniGene Title:	UniGene gene title
	R1	90th percentile of pancreatic cancer AIs divided by the 50th percentile of normal tissue AIs
	R2	90th percentile of pancreatic cancer AIs divided by the 90th percentile of normal pancreas AIs, where the 15th percentile of all normal tissue AIs was subtracted from both the numerator and denominator
55	Pkey; ExAccn; UniGeneID; UniGene Title; Pred.Prot.Domains; R1; R2	
	446519; AU076643; Hs.313; secreted phosphoprotein 1 (osteopontin, ; Osteopontin;SS=M; 44.95; 2.17	
	421552; AF026692; Hs.10570; secreted frizzled-related protein 4; Fz; NTR;SS=M; 35.40; 29.13	
60	411274; NM_002776; Hs.69423; kallikrein 10; trypsin;TM=M; 30.10; 13.59	
	446921; AB012113; Hs.16530; small inducible cytokine subfamily A (C); IL8;SS=Y; 29.33; 16.08	
	413719; BE439580; Hs.75498; small inducible cytokine subfamily A (C); IL8;SS=M; 24.64; 7.21	
	452281; T93500; Hs.28792; Homo sapiens cDNA FLJ11041 fs, clone PL; TGF β 1, propeptide, TGF- β 1,none; 23.81; 10.74	
	407811; AW190502; Hs.40098; cyclin knott superfamily 1; BMP antagonist; TGF- β 1, DAN;SS=Y; 22.23; 10.20	
65	404682; ; C9001188;gi|12738842|ref|NP_073725.1| p; none;TM=M; 17.72; 1.40	
	413554; AA319146; Hs.75426; secretogranin II (chromogranin C); Granin;TM=M;SS=Y; 17.36; 2.01	
	428392; H10233; Hs.2265; secretory granule, neuroendocrine protein; none;TM=M;SS=M; 16.82; 1.70	
	408233; Y00787; Hs.624; interleukin 8; IL8;H;PAS;IL8;TM=M; 15.53; 4.34	
	419216; AU076718; Hs.164021; small inducible cytokine subfamily B (C); IL8;SS=M; 16.40; 3.70	
70	428242; H55709; Hs.2250; leukemia inhibitory factor (cholinergic); LIF;OSM;SS=M; 14.85; 6.58	
	421340; F07783; Hs.1369; decay accelerating factor for complement; sush;SS=M; 14.84; 19.59	
	409757; NM_001898; Hs.123114; cystatin SN; cystatin;SS=M; 14.61; 12.75	
	425071; NM_013989; Hs.154424; deiodinase, iodothyronine, type II; T4_deiodinase;TM=M;SS=Y; 14.35; 17.22	
75	414812; X72756; Hs.77367; monokine induced by gamma Interferon; IL8;TM=M;SS=Y; 13.81; 7.69	
	409420; Z15008; Hs.54451; laminin, gamma 2 (lncin (100kD), kalin; laminin_B; laminin_EGF;SS=M; 13.05; 7.72	
	432598; AJ224741; Hs.278461; makilin 3; EGF;vwa;SS=M; 12.80; 9.91	
	422105; S73285; Hs.1473; gastrin-releasing peptide; Bombesin;Defensin_propep;TM=M;SS=M; 12.79; 4.69	
	421379; Y15221; Hs.103982; small inducible cytokine subfamily B (C); IL8;TM=M;SS=Y; 11.36; 2.22	
	429547; AW009166; Hs.99376; FGENESH predicted novel secreted protein; none;none; 10.25; 5.62	
80	422424; AI188431; Hs.296638; prostate differentiation factor; TGF- β 1;SS=M; 9.96; 1.88	
	428505; AL035461; Hs.2281; chromogranin B (secretogranin 1); Granin;SS=M; 9.40; 3.46	
	409956; AW103364; Hs.727; inhibin, beta A (activin A, activin AB a; TGF- β 1;TGF β 1_propeptide;Tub;SS=M; 9.19; 16.46	
	416030; BE207573; Hs.83321; neuregulin B; Bombesin;TM=M;SS=Y; 8.38; 1.55	
	452401; NM_007115; Hs.29352; tumor necrosis factor, alpha-induced protein; Xlnk;CUB;SS=M; 7.46; 4.96	

421582; AI910275; Hs.350470; trefoil factor 1 (breast cancer, estrogen; trefoil; Gastrin; SS=M; 7.08; 21.61
 423534; AW959908; Hs.1890; heparin-binding growth factor binding pr; none; TM=M; SS=M; 6.78; 12.19
 428486; AW583497; Hs.184604; pancreatic polypeptide; hormone3; TM=M; SS=Y; 6.29; 3.51
 443646; AI085198; Hs.164226; ESTs; EGF; tsp_1; vwc; TSPN; tsp_3; none; 6.17; 4.25
 5 457489; AI693815; Hs.127179; cryptic gene; none; TM=M; SS=M; 5.19; 2.79
 460983; AA305384; Hs.25740; ERO1 (S. cerevisiae)-like; none; SS=M; 5.01; 7.43
 422867; L32137; Hs.1584; cartilage oligomeric matrix protein (pes; tsp_3; EGF; SS=M; 4.87; 9.40
 426322; J05068; Hs.2012; transcobalamin I (vitamin B12 binding pr; Cobalamin_bind; SS=M; 4.71; 11.74
 10 414774; X02419; Hs.77274; plasminogen activator, urokinase; kringle; trypsin; plant; lithionins; SS=M; 4.24; 6.91
 428758; AA433988; Hs.98502; CA125 antigen; mucin 16; SEA; TM=Y; 3.52; 8.43
 422048; NM_012448; Hs.288126; spondin 2, extracellular matrix protein; tsp_1; TM=M; SS=M; 3.45; 7.69
 424687; J05070; Hs.151738; matrix metalloproteinase 9 (gelatinase B; m2; hemopexin; Peptidase_M10; SS=M; 3.43; 10.37
 417931; W95542; Hs.82961; trefoil factor 3 (intestinal); trefoil; SS=M; 2.98; 9.65
 15 445417; AK001058; Hs.12680; Homo sapiens cDNA FLJ10196 fts; clone HE; tsp_1; Reprolysin; Pep_M12B_propep; none; 2.97; 5.74
 432874; W94322; Hs.279551; melanoma inhibitory activity; SH3; TM=M; SS=Y; 2.80; 10.53
 431462; AW583672; Hs.256311; granin-like neuroendocrine peptide precu; none; none; 2.70; 1.99

TABLE 43C

20 Pkey: Unique number corresponding to an Eos probeset
 Ref: Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham I, et al." refers to the publication entitled "The DNA sequence of human chromosome 22." Dunham I, et al., *Nature* (1999) 402:489-495.
 Strand: Indicates DNA strand from which exons were predicted.
 Nt_position: Indicates nucleotide positions of predicted exons.
 25 Pkey Ref Strand Nt_position
 404682 9797231 Minus 40977-41150

30

TABLE 44A: 754 GENES UP-REGULATED IN RHEUMATOID ARTHRITIS COMPARED TO NORMAL BODY

35 Table 44A lists about 754 genes up-regulated in rheumatoid arthritis. These were selected from 35403 probesets on the Affymetrix/Eos Hu01 GeneChip.
 Pkey: Unique Eos probeset identifier number
 ExAccn: Exemplar Accession number, Genbank accession number
 UnigeneID: Unigene number
 40 Unigene Title: Unigene gene title

Pkey	ExAccn	UnigeneID	Unigene Title
100042	M10098		AFX control - HUMRG/M10098_3
101577	M34353	Hs.1041	v-ros avian UR2 sarcoma virus oncogene h
103353	X69399	Hs.119274	RAS p21 protein activator (GTPase activa
104743	AA021157	Hs.33619	Homo sapiens cDNA FLJ20098 fts, clone CO
104998	AA112307	Hs.105894	hypothetical protein FLJ21919
105437	AA262191	Hs.25199	hypothetical protein
108258	AA063269		gb:Zm02a09.s1 Strategene corneal stroma
109086	AA166695	Hs.270737	tumor necrosis factor (ligand) superfamily
109279	AA196625	Hs.86080	ESTs
109779	F10527	Hs.3353	beta-1,3-glucuronidyltransferase 1 (glucur
111794	R32647	Hs.23545	ESTs
112531	R69798	Hs.29036	ESTs
112784	R95306	Hs.191290	ESTs
113293	T87028	Hs.187403	ESTs
115416	AA283893	Hs.337079	ESTs
116548	D20433		gb:HUMGS01407 Human promyelocyte Homo sa
116565	D45633	Hs.129691	hypothetical protein FLJ21603
60 118104	N55332	Hs.39785	ESTs
119243	T12603		gb:CHR90123 Chromosome 9 exon II Homo sa
119336	T55340	Hs.208238	ESTs
120101	W56414	Hs.55497	EST
65 120715	AA292700		gb:z59a08.s1 NC1_CGAP_GCB1 Homo sapiens
120872	AA357993	Hs.98996	ESTs
121010	AA398356	Hs.97330	ESTs
121509	AA412092	Hs.97888	ESTs
121722	AA419482	Hs.98874	similar to proline-rich protein 48
70 122265	AA436838	Hs.98906	EST
123205	AA469661	Hs.102248	Homo sapiens cDNA: FLJ22105 fts, clone H
123490	AA599723		gb:ag11c07.s1 Gessler Wilms tumor Homo s
124198	H53099	Hs.198271	NADH dehydrogenase (ubiquinone) 1 alpha
124294	H90573	Hs.102298	EST
75 125067	T86429	Hs.111725	ESTs
125153	W38294		
125330	AA401804	Hs.114574	ESTs
125335	T6620	Hs.16230	hypothetical protein FLJ20519
125361	T90348	Hs.183404	ESTs
80 125439	AA826305		gb:PMG-LT0017-031299-001-c07 LT0017 Homo
125535	R17430	Hs.22215	secretogranin III
125583	R22272	Hs.86022	ESTs
125590	R23858	Hs.143375	Homo sapiens, clone IMAGE:3840937, mRNA,
125742	H81181	Hs.261023	hypothetical protein FLJ20968

5	125795	T98190	Hs.7756	proteasome (prosome, macropain) 26S subunit, regulatory, 10
	125858	H11549	Hs.31066	ESTs
	125865	H12876	Hs.283078	hQAT4
	126099	AA160575	Hs.181102	p30 DBC protein
	126143	N29315	Hs.266331	hypothetical protein MGC4596
	126177	H93164	Hs.129750	hypothetical protein FLJ10546
	126219	N36356	Hs.293483	ESTs, Weakly similar to similar to C. el
	126221	AI248169	Hs.172965	ESTs
10	126262	C75147	Hs.143764	ESTs, Weakly similar to unknown [Hsap1]
	126277	N39132	Hs.15441	Crm (Cramped Drosophila)-like
	126292	AA49132B	Hs.248121	gb:aa65d09.r1 NCI_CGAP_GCB1 Homo sapiens
	126293	Z18870	Hs.94031	G protein-coupled receptor 22
	126353	AI243114	Hs.112227	ESTs
15	126556	AA491325	Hs.170263	membrane-associated nucleic acid binding
	126559	R15866	Hs.186602	tumor protein p53-binding protein, 1
	126609	WB7436	Hs.134605	ESTs
	126616	AA348681	Hs.170994	ESTs
	126628	AI357886	Hs.001527	hypothetical protein MGC10946
	126635		Hs.144432	gb:z56g09.r1 Soares retina N2b4HR Homo
20	126861	AA742428	Hs.191650	ESTs
	126990	AA215510	Hs.251946	ESTs
	127017	AA740146	Hs.293811	poly(A)-binding protein, cytoplasmic 1-I
	127049	AA235966	Hs.112227	ESTs
	127209	AA305023	Hs.81964	SEC24 (S. cerevisiae) related gene family
25	127331	F20186	Hs.193326	gb:HSPD05873 HM3 Homo sapiens cDNA clone
	127357	AA452788	Hs.312110	gb:zv80d10.r1 Soares_total_fetus_Nb2HF8
	127368	AA443452	Hs.293751	fibroblast growth factor receptor-like 1
	127374	AA448728	Hs.7278	ESTs, Weakly similar to I38022 hypothetical
30	127429	AA561490	Hs.183502	ESTs, Moderately similar to TPTE_HUMAN P
	127480	W52891	Hs.148410	cryptochrome 2 (photolyase-like)
	127502	AA814422	Hs.261957	ESTs
	127647	AI087279	Hs.212247	ESTs
	127650	AA873776	Hs.279938	ESTs
35	127676	D31237	Hs.120189	HSPC067 protein
	127746	A1239495	Hs.291434	ESTs
	127812	AA749094	Hs.127811	ESTs
	127824	A1208365	Hs.303581	ESTs, Moderately similar to ALU1_HUMAN A
	127933	AA811102	Hs.129908	AA058693
40	128005		Hs.124636	KIAA0591 protein
	128011	A1347057	Hs.137024	ESTs
	128038	AA868782	Hs.132449	ESTs
	128058	AI126617	Hs.164597	ESTs
	128199	AI073548	Hs.134169	ESTs
45	128308	AI079496	Hs.146662	ESTs
	128389	A1142639	Hs.200332	gb:zv80d10.r1 Soares_total_fetus_Nb2HF8
	128410	AA452788	Hs.293981	hypothetical protein FLJ20851
	129199	H90914	Hs.154915	guanine nucleotide binding protein (G pr
	130998	C00810	Hs.224137	small nuclear RNA activating complex, p
50	134409	AA281600	Hs.87224	hypothetical protein
	134578	AA194724	Hs.276468	SRY (sex determining region Y)-box 5
	134644	S83308	Hs.287820	postmeiotic segregation increased 2-like
	100282	D39500	Hs.168052	fibronectin 1
	100676	HG3044-HT3742	Hs.188110	calcium channel, voltage-dependent, alpha
55	100704	HG3242-HT3419	Hs.302063	immunoglobulin heavy constant mu
	100787	HG3872-HT4142	Hs.17364	zinc finger protein 79 (zfT7)
	100873	HG4333-HT4603	Hs.001527	gb:PMID-SN0019-280300-001-D11 SN0019 Homo
	100943	HG680-HT880	J03309	Interferon, gamma-inducible protein 30
	100996		Hs.14623	
60	101046	K01160	Hs.36989	coagulation factor VII (serum prothrombin
	101371	M13232	Hs.76422	phospholipase A2, group IIA (platelets,
	101461	M22430		gb:human rhomb-3 gene, exon
	101637	M64358		
	101909	S69265		
65	102193	U21128	Hs.79914	lumican
	102275	U30998	Hs.17752	phosphatidylserine-specific phospholipase
	102295	U32581	Hs.168052	KIAA0421 protein
	102319	U34587	Hs.66578	corticotropin releasing hormone receptor
	102383	U40622	Hs.160930	X-ray repair complementing defective rep
70	102470	U49835	Hs.154138	chitinase 3-like 2
	102544	U57721	Hs.169139	lykureninase (L-lykurenine hydrolase)
	102649	U68133		gb:U81133 Human cell line PCI-06A Homo s
	102788	U88898		gb:human endogenous retrovirus H proteas
	102804	U89942	Hs.83354	lysyl oxidase-like 2
	102851	V00532	Hs.93307	Interferon, alpha 14
75	102852	V00571	Hs.75294	corticotropin releasing hormone
	102860	X00368	Hs.289114	gb:human prolactin gene 5' region.
	103262	X78565	Hs.75184	hexabrachion (tenascin C, cytactin)
	103484	Y08374	Hs.75774	chitinase 3-like 1 (cartilage glycoprote
	103559	Z19565	Hs.172928	thrombospondin 4
	103658	Z74615	Hs.4273	collagen, type I, alpha 1
80	103719	AA054109	Hs.8203	hypothetical protein FLJ13159
	103876	AA226865	Hs.56058	endomembrane protein emp70 precursor iso
	103897	AA248870		EH-domain containing 4

5	103906	AA249437	Hs.317403	hypothetical protein MGC2744
	103985	AA313880	Hs.99872	fetal Alzheimer antigen
	104056	AA297529	Hs.58297	C11B protein
	104209	AB000221	Hs.16530	small inducible cytokine subfamily A (Cy)
	104386	H41895	Hs.144164	ESTs, Moderately similar to ALU _B _HUMAN A
	104398	H53555	Hs.35790	ESTs, Weakly similar to putative p150 _H
	104422	H88858	Hs.132909	ESTs
	104561	R80100	Hs.323817	DKFZP547E1010 protein
10	104593	R81267	Hs.98640	hypothetical protein FLJ21069
	104643	AA004701	Hs.18978	Homo sapiens cDNA: FLJ22822 fis, clone K
	104673	AA007633	Hs.20010	ESTs
	104681	AA009832	Hs.34600	ESTs
	104711	AA017254	Hs.32794	ESTs
	104812	AA034111	Hs.124187	ESTs
15	104877	AA047437	Hs.22968	Homo sapiens clone IMAGE:451939, mRNA se
	104886	AA053348	Hs.339899	growth differentiation factor 11
	104924	AA058532	Hs.28774	ESTs, Weakly similar to 138022 hypothetical
	105071	AA138532	Hs.29475	ESTs
20	105105	AA151872	Hs.87016	hypothetical protein FLJ22938
	105203	AA195660	Hs.7882	ESTs
	105317	AA233926	Hs.52620	integrin, beta 8
	105517	AA280687	Hs.4069	glucocorticoid modulatory element bindin
	105707	AA291012	Hs.37617	ESTs, Weakly similar to A53933 myosin I
	105754	AA302657	Hs.192028	ESTs
25	105770	AA347964	Hs.269873	Homo sapiens clone IMAGE:297403, mRNA se
	105882	AA400292	Hs.81988	disabled (Drosophila) homolog 2 (mitogen
	105883	AA400490	Hs.334907	Homo sapiens, clone MGC:17333, mRNA, com
	105890	AA400766	Hs.30512	Homo sapiens mRNA for KIAA0566 protein,
30	106080	AA418046	Hs.35124	ESTs
	106090	AA418909	Hs.169333	hypothetical protein DKFZp761E2110
	106096	AA419809	Hs.170121	protein tyrosine phosphatase, receptor type
	106124	AA423987	Hs.7567	Homo sapiens cDNA: FLJ21862 fis, clone H
	106308	AA436185	Hs.30662	ESTs
35	106438	AA449199	Hs.21342	ESTs
	106660	AA460936	Hs.27065	KIAA1284 protein
	106731	AA465657	Hs.29205	alpha integrin binding protein 63
	106880	AA488889	Hs.32425	ESTs
	107055	AA600152	Hs.29419	ESTs
40	107151	AA621169	Hs.8567	ESTs
	107183	C20974	Hs.12114	vanin 1
	107231	D59299	Hs.34727	ESTs, Moderately similar to I38759 zinc
	107490	W74158	Hs.103189	lipopolysaccharide specific response-68
	107572	AA001903	Hs.59962	ESTs
	107620	AA005039	Hs.60171	ESTs
45	107801	AA019433	Hs.285803	ESTs
	107817	AA020781	Hs.50847	Homo sapiens cDNA FLJ10674 fis, clone NT
	107823	AA021057	Hs.60636	ESTs
	107857	AA024887	Hs.61208	ESTs
50	107882	AA025630	Hs.231967	ALL1 fused gene from 5q31
	108005	AA037769	Hs.194293	ESTs, Weakly similar to I54374 gene NF2
	108092	AA045951	Hs.184029	hypothetical protein DKFZp761A052
	108115	AA047291	Hs.165215	ESTs
	108214	AA058561	Hs.60764	ESTs
55	108382	AA074885	Hs.67726	macrophage receptor with collagenous str
	108409	AA075576		gb:zrn86n03.r1 Stratagene ovarian cancer
	108436	AA078801		gb:zrn86n09.s1 Stratagene colon HT29 (937
	108525	AA101983		triggering receptor expressed on myeloid
	108631	AA102553		ESTs
60	108763	AA127539	Hs.281397	hypothetical protein AD034
	108852	AA133131		gb:zrn25d03.s1 Stratagene pancreas (93720
	108931	AA147186		gb:zrn38d01.s1 Stratagene endothelial cell
	108976	AA151480	Hs.91202	ESTs
	109026	AA157811		gb:zrn50d7.s1 Stratagene colon (937204)
	109170	AA180352	Hs.191472	ESTs, Weakly similar to ALU ₁ _HUMAN ALU
65	109303	AA206126	Hs.269291	ESTs
	109326	AA210719		gb:zrn86e04.s1 NCI_CGAP_GCB1 Homo sapiens
	109345	AA213774	Hs.203396	ESTs
	109404	AA224594	Hs.86941	ESTs
70	109473	AA233151	Hs.81798	ESTs
	109725	F10003	Hs.79658	casitin kinase 1, epsilon
	109794	F10584	Hs.25687	ESTs
	109835	H00615	Hs.170044	ESTs
	109896	H04794	Hs.30489	ESTs
	109918	H05841	Hs.216701	Homo sapiens mRNA; cDNA DKFZp564l0816 (f
	109950	H08200	Hs.268770	ESTs, Weakly similar to 2004399A chromos
	110078	H15054	Hs.318773	KIAA1836 protein
	110182	H20402	Hs.31748	hypothetical protein DKFZp547F072
	110213	H23216	Hs.86905	ATPase, H ⁺ transporting, lysosomal (vacu
75	110310	H38209	Hs.32728	EST
	110354	H41280	Hs.22556	ESTs
	110413	H48124	Hs.279454	ESTs
	110422	H48467	Hs.36094	EST
80	110433	H49425	Hs.301062	UDP-N-acetyl-alpha-D-galactosamine:polyp

5	110434	H49446	Hs.26299	ESTs
	110553	H58934	Hs.124990	ESTs
	110760	N20522	Hs.30981	ESTs
	110827	N30077	Hs.14855	ESTs
	110829	N30198	Hs.28625	ESTs
	110917	N46363	Hs.5170	ESTs
	111100	N62522	Hs.20450	BCM-like membrane protein precursor
	111112	N63281	Hs.35452	ESTs
10	111179	N67239	Hs.10760	asparin (LRR class 1)
	111185	N67551	Hs.12844	EGF-like-domain, multiple 6
	111223	N68921	Hs.334838	KIAA1866 protein
	111275	N70970	Hs.35005	ESTs
	111443	R01801	gb:Hom sapiens endogenous retrovirus W	
	111573	R10305	Hs.185683	ESTs
15	111590	R11157	Hs.75425	ubiquitin associated protein
	111671	R19368	Hs.229084	Hom sapiens cDNA FLJ11666 fs, clone H
	111732	R25153	Hs.163813	ESTs
	111809	R33616	Hs.24688	EST
20	111829	R36070	gb:Hom sapiens full length insert cDNA	
	111944	R40606	Hs.21263	suppressor of potassium transport defect
	112015	R42835	Hs.23198	ESTs
	112023	R43020	Hs.238223	EST
	112055	R43621	Hs.26139	ESTs
	112334	R56239	Hs.206469	ESTs, Weakly similar to ALU6_HUMAN ALU S
25	112340	R56602	Hs.8904	Ig superfamily protein
	112353	R58986	Hs.26613	Hom sapiens mRNA; cDNA DKFZp586F1323 (f
	112467	R58706	gb:Y16g12.s1 Soares placenta Nb2HP Homo	
	112478	R68087	Hs.28664	ESTs
30	112533	R69886	gb:Y47f03.s1 Soares placenta Nb2HP Homo	
	112588	R77302	gb:Y17h08.s1 Soares placenta Nb2HP Homo	
	112595	R77783	prolease, serine, 12 (neurolypsin, moto	
	112676	R86976	ESTs	
	112744	R93206	ESTs, Weakly similar to I38022 hypothetical	
35	112777	R95869	EST	
	112817	R98491	ESTs	
	112902	T09262	Human DNA sequence from clone RP5-1046G1	
	113009	T23899	ESTs	
	113151	T51620	EST	
40	113297	T67161	ESTs	
	113398	T82280	hypothetical protein FLJ2293B	
	113484	T87795	ESTs	
	113769	U53966	alpha2,8-sialyltransferase	
	113794	W37382	membrane-spanning 4-domains, subfamily A	
45	113971	W66760	ESTs	
	114066	Z38152	ESTs	
	114178	Z39053	chromosome 6 open reading frame 11	
	114206	Z39294	EST	
	114371	Z41835	ESTs	
50	114428	AA017130	Hs.84790	KIAA0225 protein
	114466	AA026970	Hs.135150	lung type-I cell membrane-associated gly
	114625	AA084362	gb:zn05b10.r1 Stratagene hNT neuron (937	
	114862	AA235174	Hs.106432	Homo sapiens cDNA FLJ13410 fs, clone PL
	114908	AA236545	Hs.54973	cadherin-like protein VR20
55	114973	AA250845	Hs.87762	ESTs
	115009	AA261561	Hs.46689	ESTs
	115055	AA263006	Hs.61753	ESTs
	115098	AA265161	Hs.161729	ESTs
	115321	AA280805	Hs.191540	ESTs
60	115385	AA282540	Hs.109694	KIAA1451 protein
	115466	AA287008	Hs.285655	ESTs
	115479	AA287595	Hs.278188	ESTs, Moderately similar to I54374-gene
	115663	AA405838	Hs.40507	ESTs
	115899	AA410545	Hs.199014	ESTs, Moderately similar to ALU7_HUMAN A
65	115748	AA418835	Hs.90296	ESTs
	115810	AA428026	Hs.187615	ESTs
	115827	AA427890	Hs.83583	actin related protein 2/3 complex, subunit
	115881	AA435577	Hs.184942	G protein-coupled receptor 64
	116148	AA460708	Hs.62905	hypothetical protein FLJ14834
70	116257	AA481493	Hs.88537	ESTs
	116365	AA521080	Hs.46765	ESTs
	116941	H7395	Hs.39749	ESTs
	116982	H61933	Hs.312582	ESTs
	116995	H83928	gb:ys84b03.s1 Soares retina NZb4HR Homo	
75	116997	H84214	Hs.40594	ESTs
	117016	H87171	Hs.52170	ESTs
	117097	H93608	Hs.41919	EST
	117101	H94043	Hs.24341	transcriptional co-activator with PDZ-binding
	117238	N20815	Hs.173337	ESTs
80	117303	N22776	Hs.264079	ESTs
	117399	N26480	Hs.43805	lipoma HMGIC fusion partner-like 3
	117503	N31963	Hs.44286	ESTs
	117544	N33222	Hs.44451	ESTs
	117594	N34929	Hs.171984	ESTs

5	117627	N36113	Hs.44789	ESTs, Weakly similar to B34087 hypothetical protein
	117653	N38970	Hs.194214	ESTs
	117695	N40953	Hs.45093	EST
	117697	N40976		gb:yy80b06.s1 Soares_multiple_sclerosis_
10	117765	N47807	Hs.46767	EST
	117807	N48701	Hs.46523	EST
	117816	N48872		gb:yy77a05.s1 Soares_multiple_sclerosis_
	117882	N50101	Hs.301406	hypothetical protein PP3501
15	117987	N51935	Hs.47374	Homo sapiens cDNA FLJ13561 fis, clone PL
	118074	N54188	Hs.130323	Homo sapiens, clone IMAGE:3960432, mRNA
	118114	N56875	Hs.143212	cystatin F (leukocystatin)
	118151	N58276	Hs.229119	EST
	118270	N62868	Hs.48653	ESTs
	118291	N63076	Hs.138746	EST
	118358	N64017	Hs.144633	hypothetical protein DKFZp434F2322
	118383	N64529	Hs.49001	EST
	118412	N64856	Hs.97437	centrosomal protein 1
	118433	N66248	Hs.141609	EST
20	118600	N69222	Hs.238936	ESTs, Weakly similar to (define not av)
	118641	N70298	Hs.49829	ESTs
	118643	N70324	Hs.49840	ESTs
	118695	N71781	Hs.50081	KIAA1199 protein
	118915	N91481	Hs.54713	ESTs
25	119041	R02591	Hs.284294	Breakpoint cluster region protein, uteri
	119069	R27619	Hs.231046	EST
	119105	R42357	Hs.91453	ESTs
	119154	R61293		gb:yyh07a05.s1 Soares Infant brain 1NB H
	119241	T12559		gb:CHR90079 Chromosome 9 exon II Homo sa
30	119269	T16367	Hs.65327	EST
	119310	T40427		gb:yya01a06.s2 Stratagene lung (937210) H
	119345	T63474	Hs.90698	EST
	119353	T66867	Hs.187402	ESTs
	119390	T89122	Hs.249712	ESTs, Weakly similar to ALU1_HUMAN ALU
35	119423	T99544	Hs.173734	ESTs, Weakly similar to ALU1_HUMAN ALU
	119428	W02129	Hs.55242	EST
	119529	W38053		ESTs, Highly similar to S03917 fibronectin
	119795	W73370	Hs.339722	ESTs
	119817	W74257	Hs.159690	ESTs
40	119831	W78050	Hs.58419	DKFZP586L2024 protein
	119930	W96471	Hs.151624	hypocrellin (orexin) receptor 2
	120039	W92548	Hs.94985	ESTs
	120256	AA169801	Hs.98710	hypothetical protein
	120284	AA182626		gb:zp54a11.s1 Stralagene NT2 neuronal protein
45	120350	AA211300	Hs.108614	KIAA0827 protein; Drosophila multiple as
	120379	AA227849		gb:DKFZp434B1822_1_434 (synonym: hiles3)
	120383	AA228030	Hs.123122	FSH primary response (LRPR1, ral) homolog
	120420	AA236031	Hs.112885	spinal cord-derived growth factor-B
	120437	AA243427	Hs.104311	novel protein with MAM domain
50	120461	AA251301	Hs.293369	ESTs
	120594	AA282054	Hs.5094	ring finger protein 10
	120611	AA284178	Hs.110637	homeo box A10
	120626	AA285054	Hs.104485	EST
	120696	AA291503	Hs.97249	ESTs
55	120747	AA302976	Hs.95672	ESTs
	120749	AA303235		gb:EST14544 Testis tumor Homo sapiens cDNA
	120752	AA311972	Hs.22895	hypothetical protein FLJ23548
	120851	AA349882	Hs.174248	ESTs
	120866	AA350718	Hs.291272	ESTs
60	120849	AA397830	Hs.98347	ESTs, Weakly similar to JC5308 testis-ep
	120996	AA398281	Hs.308114	ESTs
	121038	AA398536	Hs.97365	ESTs
	121065	AA398658	Hs.97300	ESTs
	121067	AA398662	Hs.97302	ESTs
65	121071	AA398678	Hs.139355	ESTs
	121082	AA398722		gb:zf75h07.s1 Soares_testis_NHT Homo sapiens
	121172	AA400013	Hs.97750	EST, Weakly similar to MPL3 RAT MICROTUB
	121191	AA400205	Hs.104447	ESTs
	121354	AA405384	Hs.193737	ESTs
70	121393	AA405981	Hs.262643	ESTs
	121399	AA406059	Hs.332700	EST
	121479	AA411911	Hs.98110	ESTs
	121498	AA412033	Hs.178045	ESTs
	121704	AA418743	Hs.98306	KIAA1862 protein
75	121736	AA421131	Hs.148515	Human clone 23564 mRNA sequence
	122198	AA435892	Hs.97541	ESTs
	122220	AA436011	Hs.98187	ESTs
	122250	AA436692	Hs.98892	EST
	122279	AA437209	Hs.234016	ESTs
80	122286	AA437259	Hs.104944	ESTs
	122330	AA442870	Hs.98628	Homo sapiens, clone IMAGE:4214491, mRNA
	122338	AA443311	Hs.98998	ESTs
	122355	AA443789	Hs.19978	CGI-30 protein
	122590	AA453264	Hs.99310	ESTs

5	122746	AA458791	gb:aaBBc02.s1 Stratagene fetal retina 93
	122805	AA460702	collagen, type XI, alpha 1
	122841	AA461536	WAS protein family, member 2
	122899	AA469960	ESTs, Highly similar to WASP interacting
	122933	AA476728	chromosome 7 open reading frame 2
	123005	AA479726	integrin, beta 8
	123142	AA487504	EST
	123153	AA488349	hypothetical protein MGC4189
	123168	AA488881	EST
10	123188	AA489092	ESTs
	123276	AA491270	ESTs
	123305	AA496133	gb:zv51e12.s1 Soares_testis_NHT Homo sapi
	123328	AA496958	gb:aa42g03.s1 Soares_NhMPu_S1 Homo sapi
15	123450	AA598913	ESTs
	123464	AA599014	Homo sapiens cDNA FLJ10577 fis, clone NT
	123550	AA609332	ESTs
	123700	AA609606	ESTs
	123858	AA620821	EST
	123863	AA620873	ESTs
20	124046	F10243	gb:HS3CC122 normalized Infant brain cDN
	124059	F13673	ESTs, Weakly similar to S64054 hypothet
	124196	H52617	ESTs
	124197	H52921	gb:yg76c09.s1 Soares fetal liver spleen
	124229	H62793	ESTs
25	124230	H63111	Homo sapiens EST from clone 208499, full
	124241	H65947	ESTs, Moderately similar to ZN01_HUMAN Z
	124251	H68266	ESTs
	124400	N3597	loll-like receptor 7
30	124416	N34042	ESTs
	124570	N67117	ESTs
	124575	N68168	gb:za11c01.s1 Soares fetal liver spleen
	124588	N69197	ESTs, Weakly similar to I38022 hypothet
	124598	N70294	ESTs, Weakly similar to A56194 thromboxa
35	124655	N93176	ESTs
	124706	R07499	ESTs, Weakly similar to ALU8_HUMAN ALU
	124848	R60135	EST
	124882	R74041	ESTs
	124898	R82846	ESTs
	125086	T91161	Interleukin 1 receptor accessory protein
40	125145	W38001	
	125218	W73409	
	125342	AI055916	
	125351	T96520	
	125419	AI076822	
45	125424	T95667	
	125526	R14487	
	125539	R17870	
	125633	AA908225	
	125689	R48540	
50	125707	C14616	
	125790	AA868325	
	125876	AA324967	
	125959	R94247	
55	125970	AI400864	
	125975	AA495891	
	125985	H54857	
	126018	H54865	
	126032	H59735	
60	126059	H68582	
	126107	H79155	
	126154	AI004105	
	126199	AI000492	
	126207	W77936	
65	126227	N27236	
	126269	AA830432	
	126373	F11606	
	126378	AA347842	
	126383	AA885594	
	126403	N73388	
	126525	AAB84833	
	126527	AA548559	
	128566	W67245	
	126583	W92895	
70	126610	AA460338	
	126622	AA699443	
	126653	AA206993	
	126727	AA037230	
	126762	AA064671	
	126775	S86382	
75	126783	AA126047	
	126882	AA761143	
	126945	R51877	
	126968	AI311457	

5	127070	AA641812	Hs.190037	ESTs
	127087	AA380418	Hs.88012	SHP2 interacting transmembrane adaptor
	127187	AA297138	Hs.207422	ESTs, Weakly similar to S71949 metallopro
	127215	AI246377	Hs.127675	ceroid-lipofuscinosis, neuronal 6 (epile
	127229	AA316181	Hs.61635	ctx transmembrane epithelial antigen of
	127278	AA342715		gb:EST48309 Fetal spleen Homo sapiens cD
	127299	AA360710	Hs.158480	ESTs
	127325	AA393073	Hs.126099	ESTs
10	127347	AA428350	Hs.56389	hypothetical protein MGC4090
	127401	AA921944	Hs.127639	ESTs
	127420	AA695982	Hs.92171	Homo sapiens clone 19187 placenta expres
	127438	AI224421	Hs.77100	general transcription factor IIIE, polype
	127441	AA835684	Hs.287601	Homo sapiens cDNA FLJ13830 fs, clone TH
	127449	AI421866	Hs.75722	ribophorin II
15	127493	AA808081	Hs.291701	ESTs
	127505	AA594244	Hs.292245	ESTs, Weakly similar to ALU1_HUMAN ALU S
	127620	AI025699	Hs.116200	ESTs
	127623	AA773234	Hs.271077	angiopoietin-like 2
20	127633	AI339609	Hs.268538	potassium voltage-gated channel, Isk-related
	127701	AA935466	Hs.150683	gb:zf84c06.s1 Soares_pineal_gland_N3HPG
	127713	AA668322	Hs.189186	ESTs
	127722	AA700444	Hs.189005	ESTs, Weakly similar to ALU2_HUMAN III
	127733	AA704680		ESTs
25	127818	AA743646	Hs.120604	ESTs, Weakly similar to YA02_HUMAN HYPOT
	127966	AI493406	Hs.292514	ESTs
	127973	AI336794	Hs.129117	ESTs
	127989	AA909267	Hs.132413	ESTs
	127997	AI281549	Hs.311054	Homo sapiens mRNA full length Insert cDNA
30	128016	N92597	Hs.82689	tumor rejection antigen (gp96) 1
	128037	AA868394	Hs.181128	ESTs, Weakly similar to S18968 cytokerat
	128053	T65805	Hs.65377	ESTs, Moderately similar to KIAA1399 pro
	128066	AA884838	Hs.189171	ESTs
	128071	AA889398	Hs.189241	ESTs
35	128091	AA904559	Hs.129329	ESTs
	128113	AI341423	Hs.288433	neurotramin
	128145	AI498467	Hs.166669	solute carrier family 4, sodium bicarbon
	128167	AA532961	Hs.85752	uncharacterized hematopoietic stem/proge
	128195	AI143866	Hs.127778	ESTs
40	128265	T95851	Hs.17691	ESTs
	128283	AI076570	Hs.134053	ESTs
	128309	AI457235	Hs.166479	ESTs
	128313	AI051250	Hs.157775	ESTs
	128346	AI088907	Hs.160189	ESTs
45	128359	AI036526	Hs.270244	ESTs, Weakly similar to I38022 hypothet
	128389	F12581	Hs.30445	Homo sapiens cDNA FLJ14687 fs, clone NT
	128371	H12876	Hs.283078	hOAT4
	128421	T77876	Hs.268589	ESTs
	128453	X02761	Hs.287820	fibronectin 1
50	128496	T83495	Hs.32944	inositol polyphosphate-4-phosphatase, ly
	128514	H84261	Hs.301693	Homo sapiens, clone IMAGE:363994, mRNA,
	128551	H09058	Hs.278398	KIAA1117 protein
	128683	AA318862	Hs.9605	cleavage and polyadenylation specific fa
	128731	AF005271	Hs.104555	neuropeptide FF-amide peptide precursor
55	128843	AA234141	Hs.275675	katanin p80 (WD40-containing) subunit B
	128988	AA411040	Hs.294140	ESTs
	129016	W84524	Hs.184194	transmembrane 4 superfamily member 5
	129021	AA426406	Hs.173081	KIAA0530 protein
	129095	L12350	Hs.108623	thrombospondin 2
60	129171	AA234048	Hs.7753	calumenin
	129188	M30257	Hs.109225	vascular cell adhesion molecule 1
	129410	U25987	Hs.272620	pregnancy specific beta-1-glycoprotein 9
	129467	AA410311	Hs.44208	hypothetical protein FLJ23153
	129518	AA369807	Hs.112238	ESTs
65	129534	R75640	Hs.11260	hypothetical protein FLJ11264
	129632	L27213	Hs.1176	solute carrier family 4, anion exchanger
	129691	X06700	Hs.118571	collagen, type III, alpha 1 (Ehlers-Danl
	129881	AA458952	Hs.181406	hypothetical protein FLJ22301
	129990	N30316		gb:yw75b05.s1 Soares_placenta_8to9weeks_
70	130049	V01515	Hs.1460	glucagon
	130171	AA4454177	Hs.245257	ESTs, Weakly similar to A46010 X-linked
	130411	AA505009	Hs.169910	KIAA0173 gene product
	130479	R44163	Hs.12457	hypothetical protein FLJ10814
	130511	L32137	Hs.1584	cartilage oligomeric matrix protein (pse
75	130521	U92971	Hs.194351	coagulation factor II (thrombin) receptor
	130645	AA020942	Hs.17200	STAM-like protein containing SH3 and ITA
	130655	N92934	Hs.17409	cysteine-rich protein 1 (intestinal)
	130656	Z20481	Hs.330988	Homo sapiens, Similar to Bicaudal D (Dro
	130889	D57622	Hs.20985	sin3-associated polypeptide, 30kD
	131064	AA59B441	Hs.22583	DKPZP434K2235 protein
80	131070	F13694	Hs.22607	ESTs
	131189	L16782	Hs.240	M-phase phosphoprotein 1
	131318	X51699	Hs.2558	bone gamma-carboxyglutamate (gla) protein
	131506	W47579	Hs.5801	KIAA1194 protein

131551	AA127667	Hs.28608	Homo sapiens cDNA: FLJ22115 f1s, clone H
131563	C20547	Hs.302810	Novel human gene mapping to chromosome 20
131830	U33054	Hs.32959	G protein-coupled receptor kinase 2 (Dro)
131879	AA017161	Hs.33792	ESTs
5	132017	W67251	vav 3 oncogene
	132025	Hs.3745	milk fat globule-EGF factor 8 protein
	132096	AA131410	Homo sapiens clone 24877 mRNA sequence
	132159	D76435	Zic family member 1 (odd-paired Drosophi
10	132164	U84573	procollagen-lysine, 2-oxoglutarate 5-dio
	132180	AA405569	fibroblast activation protein, alpha
	132223	R77451	chromosomes 11 hypothetical protein ORF3
	132238	AA453446	ESTs
	132406	F09979	Homo sapiens mRNA; cDNA DKFZp761C1712 (f
	132945	N40559	ATP-binding cassette, sub-family B (MDR/
15	133185	AA481404	hypothetical protein DKFZp564O1864
	133193	C14015	EST
	133370	AA156897	DKFZP564I1922 protein
	133405	U22172	Human DNA damage repair and recombinatio
20	133409	U65918	deleted in azospermia-like
	133591	TB2292	protease, serine, 11 (IGF binding)
	133899	X00588	epidermal growth factor receptor (avian
	134137	F10045	KIAA0211 gene product
	134339	AA478971	disabled (Drosophila) homolog 2 (mitogen
25	134421	AA122386	collagen, type V, alpha 2
	134462	U11037	set-1 (suppressor of lin-12, C.elegans)-
	134515	C20737	ESTs
	134527	T40835	EST
	134711	X04011	cytochrome b-245, beta polypeptide (chro
30	134824	S78723	5-hydroxytryptamine (serotonin) receptor
	134854	J03484	collagen, type I, alpha 2
	134921	W60186	Homo sapiens mRNA; cDNA DKFZp434P1530 (f
	135003	H42527	trichorhinophalangeal syndrome I
	135210	W90522	hypothetical protein DKFZp564B1162
35	135348	AA442054	phospholipase C, gamma 1 (formerly suby
	100547	HG2149-HT2219	gb:Homo sapiens mucin (mucin) mRNA, part
	100572	HG2271-HT2367	filaggrin
	100587	HG3115-HT3291	gb:human Golli-mbp gene, exon 2.
	100695	HG315-HT315	pregnancy specific beta-1-glycoprotein 9
40	101447	M21305	gb:human alpha satellite and satellite 3
	102329	U35407	paroxisome receptor 1
	102892	X05232	matrix metalloproteinase 3 (stromelysin)
	103036	X54925	matrix metalloproteinase 1 (Interstitial)
	103206	X72755	monokine induced by gamma Interferon
45	103260	X78416	casein, alpha
	103751	AA0832824	gb:2008b08.s1 Stratagene neuroepithelium
	104113	AA427510	hypothetical protein FLJ10038
	104316	D81871	EST
	104453	M19169	cystatin SN
50	104668	AA007312	gb:EST37645B MAGE resequences, MAGH Homo
	104916	AA056688	NS1-associated protein 1
	105151	AA424958	ESTs
	106899	AA490107	JM5 protein
	107379	U93868	polymerase (RNA) III (DNA directed) (32k
55	107412	W26105	integrin, beta 1 (fibronectin receptor,
	107652	AA010196	ESTs, Weakly similar to ALUF_HUMAN !!!
	107754	AA017462	ESTs
	107897	AA026240	gb:nc07205.s1 NC_OGAP_AA1 Homo sapiens
	108238	AA059473	EST
60	108497	AA083070	gb:zmn85a05.r1 Stratagene ovarian cancer
	108710	AA121960	gb:zmn24g09.r1 Stratagene pancreas (93720
	109012	AA156576	met transforming oncogene (derived from
	109043	AA159805	ESTs
	109560	F01778	Homo sapiens cDNA: FLJ22582 f1s, clone H
65	110572	H60523	EST
	110687	H93005	ESTs
	111418	R01084	ESTs
	111507	R07728	ESTs
	111644	R16539	EST, Moderately similar to Cd-7 Metallo
	111919	R39926	ESTs, Weakly similar to 176585 serine/th
70	112102	R44840	ESTs
	112229	R50938	ESTs
	112309	R55021	gb:ij76d05.s1 Soares breast 2NbHBst Homo
	112368	R69371	ESTs
75	112397	R60822	ESTs, Weakly similar to putative p160 [
	112532	R69824	ESTs
	112658	T02963	ESTs
	113170	T54342	ESTs, Weakly similar to S65857 alpha-1C
	113321	T70580	RAB3A interacting protein (rabin3)-like
	113404	T82323	immunoglobulin superfamily, member 4
80	113420	T83964	ESTs, Weakly similar to S65824 reverse
	113613	T93337	ESTs, Highly similar to LRR FLJ-1 intera
	113563	T95909	gb:ye47g07.s1 Soares fetal liver spleen
	113790	W33178	ESTs

113889	W72720		gb:zd61c03.s1 Soares_fetal_heart_NbHH19W
114016	W90671	Hs.11087	ESTs
114261	Z38898	Hs.21948	ESTs
115187	AA261805	Hs.44021	Homo sapiens mRNA for FLJ00065 protein,
5	115722	AA417297	Hs.59609
	115775	AA424030	ESTs
	116380	AA598455	Hs.66917
	116651	D20458	ESTs
10	117009	H85422	Hs.229071
	117329	N23680	EST
	117523	N32626	Hs.108556
	118387	N64579	ESTs
	118456	N66580	Homo sapiens cDNA: FLJ22664 fis, clone H
15	118741	N74042	ESTs, Weakly similar to FV1 MOUSE FRIEND
	118771	N74690	gb:y51d11.s1 Morton Fetal Cochlea Homo
	119075	R36451	gb:y69f01.s1 Soares_multiple_sclerosis_
	119217	R95778	KIAA0203 gene product
	119306	T26914	ESTs
20	119347	T64349	fibronectin 1
	120006	W90108	EAP30 subunit of ELL complex
	120441	AA243588	gb:y10d08.s1 Stratagene lung (937210) H
	120651	AA287286	KIAA0167 gene product
25	120811	AA346854	ESTs
	121186	AA400156	fragile X mental retardation, autosomal
	121599	AA416770	EST
	122146	AA435584	ESTs, Hypothetical protein FLJ10120
	122261	AA436830	ESTs
	122352	AA443725	ESTs
30	122433	AA447417	ESTs
	122489	AA448342	ribosomal protein L8
	122554	AA451886	cytochrome P450, subfamily 1 (dioxin-Ind)
	122857	AA463879	EST, Weakly similar to STK2_HUMAN SERIN
	122889	AA465704	Homo sapiens cDNA: FLJ21960 fis, clone H
35	123399	AA521274	EST
	123662	AA609385	ESTs, Moderately similar to AF171102 1 r
	123762	AA610013	gb:af18d04.s1 Soares_testis_NHT Homo sep
	123792	AA620333	ESTs
	123900	AA621223	EST
40	123981	C20797	ESTs
	124126	H18517	fibroblast growth factor 7 (keratinocyte
	124404	N31998	ESTs, Hypothetical protein FLJ20657
	124557	N66025	ESTs, Moderately similar to ALU1_HUMAN A
	124703	R07294	solute carrier family 22 (organic cation
45	124867	R68971	ESTs
	125092	T92544	CD84 antigen (leukocyte antigen)
	125111	T95240	RAD23 (S. cerevisiae) homolog B
	125331	AI422996	ESTs
	125349	T87826	ESTs, Weakly similar to T50609 hypothetical
50	125426	R43963	hypothetical protein DKFZp761A052
	125436	R64472	hypothetical protein FLJ12876
	126465	A1375278	ESTs
	125515	R13353	gb:yf78c04.r1 Soares infant brain 1NIB H
	125626	A1039854	S164 protein
55	125656	AA040118	neutral sphingomyelinase (N-SMase) activ
	125743	H71751	gb:ym37a05.r1 Soares Infant brain 1NIB H
	125757	A1274906	ESTs, Highly similar to 1814460A p53-aa9
	125760	W03020	calpain 3, (p94)
	125804	R79519	ESTs
60	125967	AI341206	ESTs
	126068	A190171	ESTs
	126091	AI346024	KIAA1049 protein
	126150	AA018427	chromosome 12 open reading frame 3
	126171	A1704771	ESTs
65	126198	A1469356	ESTs
	126224	AI097280	Human DNA sequence from clone 462023 an
	126289	A194603	ESTs, Weakly similar to S55024 nebulin,
	126343	AA628890	ESTs
	126408	AA034096	gb:gv41h02.r1 Soares fetal liver spleen
70	126419	AA451775	Homo sapiens chromosome 19, cosmid F2216
	126479	T78141	ESTs, Weakly similar to I55214 salivary
	126500	AA885305	synaptosomal-associated protein, 23kD
	126520	AA292988	ESTs, Hypothetical protein FLJ20038
	126701	AA515212	ESTs, Weakly similar to AF147790 1 trans
75	126718	A322718	ESTs, Weakly similar to KIAA0927 protein
	126739	A1160709	Homo sapiens cDNA FLJ14059 fis, clone HE
	126745	AA057506	gb:zf49g04.r1 Soares retina N2b4HR Homo
	126846	AA635527	ESTs
	126872	AA136653	gb:U-H-B13-ela-a-12-0-U1.s1 NCL_CGAP_Su
80	126952	AA195575	hyaluronan synthase 3
	127036	A1468598	nuclear receptor subfamily 1, group D, n.
	127039	AA233366	ppr28, US snRNP 100 kd protein
	127067	F06732	gb:HSC1JA051 normalized infant brain cDN
	127083	Z44079	ctoferrin
		Hs.91608	

5	127116	AA278492	Hs.288304	Homo sapiens cDNA FLJ11529 fis, clone HE
	127282	AA347547	Hs.185780	ESTs
	127349	AA412108	Hs.259350	ESTs
	127352	AA416577	Hs.189105	ESTs, Weakly similar to NBR13 [H.sapiens
	127482	AI337294	Hs.105352	GalNAc alpha-2, 6-sialyltransferase I, I
	127543	AI364367	Hs.157392	Homo sapiens cDNA FLJ20780 fis, clone CO
	127563	AA282433		gb:aa63g02.r1 NCI_CGAP_GCB1 Homo sapiens
	127556	AA679831	Hs.180228	ESTs
10	127859	AA806837	Hs.291559	ESTs
	127993	AA847866	Hs.124565	ESTs
	128277	AI018275	Hs.269791	ESTs
	128285	AA634569	Hs.13351	LanC (bacterial lanthanide synthetase c
	128317	AI051960	Hs.303754	ESTs
	128334	AI080130	Hs.134207	ESTs
15	128428	AI185718	Hs.143900	ESTs
	128502	U22963	Hs.101840	major histocompatibility complex, class
	128592	AA470056	Hs.113994	Homo sapiens cDNA FLJ20796 fis, clone CO
	128751	AA442274	Hs.183176	ESTs
20	129105	AA224351	Hs.108681	Homo sapiens brain tumor associated protein
	129161	N27334	Hs.181780	hypothetical protein FLJ20241
	129246	N99174	Hs.208063	ESTs
	129361	X64229	Hs.110713	DEK oncogene (DNA binding)
	129577	AA424952	Hs.82906	CDC20 (cell division cycle 20, S. cerev)
25	129600	N78980	Hs.271599	hypothetical protein MGCI10500
	129889	AF005887	Hs.247433	activating transcription factor 6
	130024	U15197	Hs.113271	ABO blood group (transferase A, alpha-1-
	130292	U70136	Hs.218791	proteoglycan 4, (megakaryocyte stimulati
	130569	AA234308	Hs.16441	DKFZP434H204 protein
30	130736	T99385		gb:bow08g07.s1 Soares_fetal_liver_spleen_
	131238	R82327	Hs.24625	ESTs
	131378	AA463886	Hs.203910	small glutamine-rich tetrapeptide r
	131601	M31165	Hs.29352	tumor necrosis factor, alpha-induced pro
	131605	AA256220	Hs.29383	Homo sapiens mRNA; cDNA DKFZp434E2321 (f
35	131676	C20785	Hs.30514	ESTs
	131861	D14925	Hs.164245	KIAA0929 protein Max2 interacting nuclea
	131873	H39997	Hs.166852	KIAA1683 protein
	132023	F01927	Hs.3743	matrix metalloproteinase 24 (membrane-in
	132273	AA489716	Hs.43658	DKFZP586L151 protein
40	132770	AA425647	Hs.56406	Homo sapiens cDNA FLJ13549 fis, clone PL
	132859	D20925	Hs.59235	transportin-SR
	133052	R40166	Hs.105826	KIAA1696 protein
	133373	S72487	Hs.73946	endothelial cell growth factor 1 (platelet
	133446	M25322	Hs.73800	selectin P (granule membrane protein 140
45	134693	N70361	Hs.8854	Human transcription unit PVT gene, exons
	134733	U03644	Hs.89421	CBF1 Interacting corepressor
	134965	J05480	Hs.272458	protein phosphatase 3 (formerly 2B), cat
	135327	AA477989	Hs.98800	ESTs
	135377	C21382	Hs.99766	Homo sapiens mRNA; cDNA DKFZp564J0323 (f
50	135398	AA194075	Hs.287270	ret proto-oncogene (multiple endocrine

TABLE 44B

55	Pkey	Unique Eos probeset identifier number	
	CAT number	Gene cluster number	
	Accession	Genbank accession numbers	
60	Pkey	CAT number	Accessions
	108497	110079_2	AA074897 AA113914 AA064871 AA079329 AA071309 AA084710 AA129030 AA075042 AA074794 AA071453 AA078803 AA148628 AA122204 AA074159 AA126185 AA079117 AA127089 AA079212 AA079280 AA131372 AA078833 AA071087 AA076131 AA071047 AA079401 AA0783070 AA120276 AA115163 AA074198 AA134725 AA113884 AA121103 AA075041 AA05148 AA071310 AA101144 AA079659 AA078931 AA079209 AA079282 AA068994 AA069817 AA076187 AA069053 AA131489 AA071308 AA063317 AA070156 AA071430 AA078056 AA075684 AA070053 AA126078 AA126078 AA075895 AA079208 AA074583 AA071086 AA079623 AA070627 AA078802 AA0765622 AA065051 AA079143 AA071110 AA079434 AA148748 AA079230 AA085188 AA074485 AA070580 AA076151 AA083166 AA085118 AA079450 AA085044 AA129938 AA079200 AA100188 AA081472 AA122355 AA129031 AA085362 AA069220
65	107897	91776_1	AA070940 AA075968 AA074563 AA084027 AA115929
	130736	611414_1	AA0604872 AA026240
	108710	133580_1	AA1168326 T99385
	100943	45976_1	AA121959 AA121960
70	124575	1668849_1	AAW884944 L07517 AW869606
	125439	465560_1	N88168 N89188 N90450
	117697	499877_1	AWB35829 AA826305 R01759
	125515	181_2	N40976 AA902795
	118387	55081_5	R13353 R13890 H11359
	126292	327512_1	N64579
75	102798	34624_4	AA491328 N42312
	126378	244444_1	U68896 U88898 AA916066 T03285 A1341594 A1369534 A1634031 U68897
	125743	5025_5	N58924 AA347842
	126406	95703_1	H17151 H11956
80			N76683 AA034096 AA034082

127057	1534978_1	F05732 Z43705
119243	1774795_1	T12603 T12604
111443	31528_18	AF072503 AF208161 AA613238 H12439 N76991 D76692 BE019603 AA776439 R37932 T93615 AF07250B R00744 R01948 R68685 AA128496 AA865193 A1797629 H13302 AF072506 NM_014590 AF072505 R00743 T93661 T39519 R58740 H13097 N58614 N77302 H01372 N41878 H04136 AA426511 AW971553 AW930030 R76136 TS2094 AI698135 AA781423 R76086 R77278 AI393478 AA837267 AI570707 R0190 R27412 N53177 A1379210 A128526 AA250958 R79323 R27389 H01325 N55091 T69704 AA868777 T47345 R27591
5		AA860368 AA729556 H04137 T87297 C17420 AA293243 AA419144
127278	240540_3	AA342715 AA367634
103751	118557_1	AA131367 AA082824
10	126636	AA057531 AA001527
127331	379388_1	F20186 AA622352
127357	288073_1	AA424107 AA452788
126745	104479_1	AA047854 AA057506 AA053841
125762	110350_3	AA064613 AA064671
15	126783	AA083S31 AA126047 AA074915 AA14B649
112309	11336B_1	R55021 H26613
126872	142696_1	AW45079 AA138653 AA138658 AW419381 AA984358 AA492073 BE168945 AA809054 AW238038 BE011212 BE011359 BE011367 BE011368 BE011362 BE011215 BE011365 BE011363
20	120284	AA179555 AA182526 AA182603
111829	46636_1	AF074991 R36070
104668	82752_1	AW984385 AA007312 AI081711 AA318263 AW891655 T99192
127553	202308_2	AA505046 AW969109 AA505047
120379	34624_3	AI042725 BE063316 AW975610 AA457591 BE062092 AI655202 AA714296 AI267264 AI075321 AA223286 AA071122 AA227849 AA216709 AI696002 AA101867 AA099426 AA135997 AI041698 T02815 T51824 AA207189 T59230 T51868 AA663341 BE165757 AW818104 AW392886 AA584918 AA099408 AW856396 AW861859 AA053045
25	127701	AA679064 AA935466
128410	288073_1	AA424107 AA452788
114625	111686_1	AA081507 AA070711 AA070840 AA084362
30	109026	AA157811 AA836869
108409	113869_1	AA075831 AA075578
100587	tigr_HT3291	L16862
109326	405284_1	AA210719
123762	genbank_AA210719	AA610013
35	123762	genbank_AA610013
116548	genbank_D20433	D20433
125145	entrez_W38001	W38001
125153	entrez_W38294	W3B294
116995	genbank_HB3928	H83928
102649	genbank_U68133	U68133
40	118456	genbank_N66580
102850	entrez_X00368	X00368
120715	genbank_AA292700	AA282700
120749	genbank_AA303235	AA903235
113863	genbank_T95909	T95909
45	113889	genbank_W72720
108258	genbank_AA063269	AA053269
101046	entrez_K01160	K01160
129890	genbank_N30316	N30316
122746	genbank_AA458791	AA458791
50	124046	genbank_F10243
108436	genbank_AA076801	AA076801
124197	genbank_H52921	H52921
101447	entrez_M21305	M21305
108852	genbank_AA133131	AA133131
55	101697	entrez_M54358
108931	genbank_AA147186	AA147186
101809	entrez_S69265	S69265
117816	genbank_N48872	N48872
60	119154	genbank_R61293
119241	genbank_T12559	T12559
119310	genbank_T40427	T40427
119347	genbank_T64349	T64349
119529	entrez_W38053	W38053
65	112457	genbank_R65706
112533	genbank_R69886	R69886
112588	genbank_R77302	R77302
121082	genbank_AA398722	AA398722
123305	genbank_AA496133	AA496133
123328	genbank_AA496968	AA496968
70	100547	tigr_HT2219
123490	genbank_AA599723	M57417
		AA599723

75 TABLE 45A: 90 GENES DOWN-REGULATED IN RHEUMATOID ARTHRITIS COMPARED TO NORMAL BODY

Table 45A lists about 90 genes down-regulated in rheumatoid arthritis. These were selected from 35403 probesets on the Affymetrix/Eos Hu01 GeneChip.

80 Pkey: Unique Eos probeset identifier number
ExAccn: Exemplar Accession number, Genbank accession number
UnigeneID: Unigene number
Unigene Title: Unigene title

	Pkey	ExAccn	UnigeneID	Unigene Title
5	100137	D13627	Hs.15071	chaperonin containing TCP1, subunit 6 (t
	100240	D31767	Hs.75416	DAZ associated protein 2
	100289	D45248	Hs.179774	prosome (prosome, macropain) activator
	100658	HG2855-HT2985	Hs.75452	heat shock 70kD protein 2
	100763	HG3597-HT3800		gb3:Human major histocompatibility comple
	100779	HG3731-HT4001	Hs.302063	immunoglobulin heavy constant mu
10	101091	L06132	Hs.149155	voltage-dependent anion channel 1
	101155	L13972	Hs.301698	sialyltransferase 4A (beta-galactosidase
	102223	U24685		gb3:Homo sapiens immunoglobulin heavy cha
	102282	U31383	Hs.79126	granine nucleotide binding protein 10
	102378	U40369	Hs.28491	spermidine/spermine N1-acetyltransferase
	102386	U40998	Hs.81728	unc119 (<i>C.elegans</i>) homolog
15	102389	U41371	Hs.75916	splicing factor 3b, subunit 2, 145kD
	102480	U50327	Hs.1432	protein kinase C substrate 80K-H
	102565	U59752	Hs.303091	pleckstrin homology, Sec7 and coiled/coil
	102605	U64444	Hs.181369	ubiquitin fusion degradation 1-like
	102693	U73824	Hs.183684	eukaryotic translation initiation factor
	102710	U77627	Hs.113207	G protein-coupled receptor 30
20	102920	X12451	Hs.78056	cathepsin L
	102929	X13238	Hs.74849	cytochrome c oxidase subunit Vtc
	103168	X67951	Hs.180809	peroxiredoxin 1
	103283	X80199	Hs.83422	MLN51 protein
	103463	Y00281	Hs.2280	ribophorin I
	103835	AA172215	Hs.93748	Homo sapiens cDNA FLJ14676 fis, clone NT
25	104796	AA029368	Hs.33026	hypothetical protein PP2447
	105714	AA201429	Hs.12211	GDP-glucose transporter 1
	105927	AA402968	Hs.332040	hypothetical protein MGC13010
	105945	AA404512	Hs.14453	interferon consensus sequence binding pr
	106001	AA410986	Hs.8963	Homo sapiens mRNA full length insert cDN
	106027	AA412119	Hs.234799	breakpoint cluster region
30	106227	AA429262	Hs.19613	ESTs
	106295	AA435664	Hs.8683	similar to APOBEC1
	106417	AA446008	Hs.261828	G protein-coupled receptor kinase 7
	107391	W02877	Hs.284294	Breakpoint cluster region protein, uteri
	109107	AA169180	Hs.269280	ESTs
	109685	F09325	Hs.28102	ESTs
35	110021	H11252	Hs.31037	ESTs
	110738	H93870	Hs.139848	kinesin family member 1C
	112746	R93237	Hs.74170	metallothionein 1E (functional)
	113059	T26925	Hs.172684	vesicle-associated membrane protein 8 (a
	113822	W47350	Hs.17466	retinoic acid receptor responder (tazaro
	113859	W67225	Hs.13273	KIAA0592 protein
40	113909	W78127	Hs.9956	hypothetical protein FLJ20259
	114893	AA122159	Hs.300683	Homo sapiens cDNA FLJ12225 fis, clone NT
	115399	AA283182	Hs.92023	core histone macroH2A2.2
	116606	D80217	Hs.259842	protein kinase, AMP-activated, gamma 2 n
	116633	F02702	Hs.268726	ESTs, Highly similar to ZN91_HUMAN ZINC
	119254	T15837	Hs.279009	matrix Gla protein
45	119493	W36384	Hs.50477	RAB27A, member RAS oncogene family
	120108	W85696	Hs.16803	LUC7 (<i>S. cerevisiae</i>)-like
	120685	AA365566	Hs.301342	hypothetical protein MGC4342
	120953	AA397911	Hs.97499	ESTs, Weakly similar to unknown [H.sape
	121303	AA402441	Hs.303197	B-cell CLL/lymphoma 7C
	121547	AA412446	Hs.104777	ESTs
50	123495	AA699850	Hs.106747	serine carboxypeptidase 1 precursor prot
	123808	AA609144	Hs.112651	ESTs
	123749	AA609949	Hs.112790	EST
	124763	R39610	Hs.76288	calpain 2, (m11) large subunit
	125388	H60192	Hs.76853	Homo sapiens mRNA; cDNA DKFzp434N1728 (f
	125657	AA481719	Hs.150540	Homo sapiens, clone IMAGE-3954951, mRNA,
55	125670	AI432621	Hs.82685	CD47 antigen (Rh-related antigen, Integr
	125682	H45538	Hs.101448	metastasis associated 1
	126641	AA204913	Hs.7854	zinc finger regulated transporter-like
	126715	R70160	Hs.241552	KIAA0268 protein
	126817	AA478642	Hs.291623	ESTs, Weakly similar to unnamed protein
	127112	AI143905	Hs.125103	ESTs
60	127273	AA335263	Hs.144960	ESTs
	127615	AA718919	Hs.116346	gb2zv88a04.s1 Soares_NhHMPu_S1 Homo sapi
	127635	AA766903	Hs.116346	ESTs, Highly similar to A46297 beta-1,6-
	128528	R39234	Hs.251699	ESTs, Weakly similar to IDN4-CGTR14 [H.s
	129398	AA437374	Hs.234573	Homo sapiens mRNA for TL132
	129621	AA489459	Hs.301005	purine-rich element binding protein B
65	131037	AA256171	Hs.22391	chromosome 20open reading frame 3
	131328	VO1512	Hs.25647	v-fos FB1 murine osteosarcoma viral onco
	131631	AA486868	Hs.29802	st1 (Drosophila) homolog 2
	132079	H57964	Hs.38694	ESTs
	132455	T15774	Hs.4892	Homo sapiens clone 24841 mRNA sequence
	132582	AA318547	Hs.276712	eukaryotic translation initiation factor
70	132610	AA443114	Hs.5326	amino acid system N transporter 2; porcu
	132755	AA609201	Hs.182635	ESTs
	133192	AA393804	Hs.67052	vacuolar protein sorting 26 (yeast homolog

133437	R57419	Hs.7370	phosphatidylinositol transfer protein, b
133449	AA094989	Hs.7381	voltage-dependent anion channel 3
133649	AA479139	Hs.75393	acid phosphatase 1, soluble
133814	M33882	Hs.76391	myxovirus (influenza) resistance 1, homo
5	134378	AF006088	actin related protein 2/3 complex, subunit
	134419	L08044	trefoil factor 3 (intesinal)
	134548	U41515	Deleted in split-hand/split-foot 1 region
	134776	J05582	mucin 1, transmembrane
10	135032	AA243497	hypothetical protein FLJ12619

TABLE 45B

15	Pkey:	Unique Eos probeset identifier number	
	CAT number:	Gene cluster number	
	Accession:	Genbank accession numbers	
20	Pkey	CAT number	Accessions
	127615	380951_1	AA626215 AA718919
	100763	tigr_1T3800	X12432 Y08693
	102223	221_265	AF013616 AA300945 X65907 AF062264 AF062280 Z47228 Z75389 Z75374 AF062152 AF062146 Z75388 X64153 AF062101 AF062218 S59161 Z75392 AF062196 AF062192 X65904 X65908 AF062181 Z47241 Z75376 AF062217 Z47234 X84152 AF062187 AF062173 AF062158 Z47229
25			M74018 M74021 X54441 M84512 L29115 M84508 Z75384 AJ244983 AJ245240 AJ245030 AJ245042 M26998 L03635 S64473 AJ244997 AJ245013 AJ279535 U89768 AF174049 AF174085 AF174088 U97246 AJ245011 AJ245017 AJ245028 AJ245041 AJ245051 AJ245065 AJ245236 U22391 Z49143 Z74665 AF087428 S66098 Z70650 AJ244929 AF006528 AF022004 AF021983 U00566 AJ245035 Z70617 Z70603 AJ245052 AJ245046 AF087424 AF174054 S67110 U21257 U21268 Z35492 U71103 AF021991 L23518 Z70644 AJ245036 Z49141 AF089001 Z74695 Z46304 AF021957 AF021990 AF022005 AF052527 AF021947 Z70604 AF052104 Z49135 X64235 Z46341 Z46305 Z46307 Z49136 AJ244996 Z46342 AJ244931 AJ244935 AJ244937 AJ244938 L12192 AJ244939 AJ244940 AJ244941 Z46308 AJ244962 AF062234 AJ244973 AJ244984 AJ244985 AF174088 AJ279519 AJ279521 AJ279526 AJ245008 AJ245009 AJ244994 AJ244990 AJ244980 AJ244988 AJ244987 XB7440 AJ245238 Z70626 Z70628 Z70641 Z70640 Z70643 AJ244975 Z70616 Z70637 AJ245027 AJ244967 AJ239377 AJ245057 AF021948 AF107239 AJ246040 L34163 AF062231 Z70627 AF052113 AF006527 AF174041 AF279537 Z70642 U00497 Z70639 AJ245054 AJ244960 AJ279524 AJ244943 AJ246531 AF035041 AJ245039 AJ245050 AF107233 AJ239362 Z46278 Z46290 Z46274 Z46281 AJ239351 L25293 AJ244944 AJ244951 Z46280 Z46270 AJ245043 Z46276 AF107241 Z46271 Z46277 AJ245034 Z46273 AJ244992 Z46282 Z70638 Z46275 AJ244972 Z46272 Z46279 Z46289 AF087422 M74468 X64159 AF103243 X64156 AJ244942 Z46316 AJ222547 Z46322 Z46324 Z46326 Z46327 AJ222558 Z46329
30			Z46320 AJ222561 AJ222549 AJ222568 AJ222571 Z49139 AJ222578 AJ222562 AJ222577 Z46323 AJ222578 AJ222566 AJ245315 AJ222557 AJ222564 AJ222559 AJ222559 AJ222573 AJ222575 Z46318 AJ222548 Z46319 AJ222552 AJ222554 AJ222567 AJ222558 AJ222563 Z46317 X87438 AJ222555 AJ240581 AF103161 AJ240580 AJ240594 Y17929 AJ240553 AJ240573 AJ240658 AJ240555 Y17927 Y17949 AJ240661 Y17948 AJ240559 AF103299 AF103122 X75022 AF004937 Z30567 Z30573 Z30576 Z30561 Z30674 Z30562 Z30675 AW403129 AJ203192 AW404253 AW237246 A654630 H61354
40			
45			

Table 46A lists about 714 genes upregulated in esophageal cancer relative to normal body tissues. These genes were selected from 59680 probesets on the Eos/Affymetrix Hu03 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression.

Table 47A lists about 113 genes upregulated in esophageal tumors relative to normal esophagus. These genes were selected from 59680 probesets on the Eos/Affymetrix Hu03 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression.

Table 48A lists about 162 genes downregulated in esophageal tumors relative to normal esophagus. These genes were selected from 59680 probesets on the Eos/Affymetrix Hu03 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression.

TABLE 46A:

60	Pkey:	Unique Eos probeset identifier number
	ExAccn:	Exemplar Accession number, Genbank accession number
	UnigeneID:	Unigene number
	Unigene Title:	Unigene gene title
	R1:	90th percentile of esophageal tumor AIs divided by the 70th percentile of normal tissue AIs, where the 15th percentile of the normal tissue AIs was subtracted from both the numerator and denominator.

	Pkey	ExAccn	UnigeneID	Unigene Title	R1
70	413808	J00287		Homo sapiens mRNA for caldesmon, 3' UTR	31.57
	411243	AB039886	Hs.69319	CA11	26.06
	422168	AA5B6894	Hs.112408	S100 calcium-binding protein A7 (psoriasis)	25.65
	401781			Target Exon	23.23
75	424098	AF077374	Hs.139322	small proline-rich protein 3	21.35
	425211	M18657	Hs.1867	progastricsin (pepsinogen C)	20.37
	417386	BE185289	Hs.1076	small proline-rich protein 1B (cornifin)	20.33
	401780			NM_005557;Homo sapiens keratin 16 (foca	18.94
	421948	L42583	Hs.334309	keratin 6A	18.13
80	400289	X07820	Hs.2258	matrix metalloproteinase 10 (stromelysin	18.01
	429538	BE182592	Hs.11261	small proline-rich protein 2A	17.31
	400666			NM_002425;Homo sapiens matrix metalloproteinase 1 (interstitial	17.28
	418007	M13509	Hs.83169	matrix metalloproteinase 1 (interstitial	16.96

430520	NM_016190	Hs.242057	chromosome 1 open reading frame 10	16.35	
408522	AI541214	Hs.46320	Small proline-rich protein SPRK [human,	16.22	
413278	BE563085	Hs.833	interferon-stimulated protein, 15 kDa	15.64	
421582	AI910275		trefoil factor 1 (breast cancer, astroge	14.86	
5	425679	X05997	lipase, gastric	14.53	
	421773	WG9233	ESTs	14.26	
	433091	Y12642	Hs.3185	14.26	
	422158	L10343	lymphocyte antigen 6 complex, locus D	13.93	
10	444325	AW152618	Hs.16757	13.24	
	431723	AW058350	Hs.16762	Homo sapiens mRNA; cDNA DKFZp564B2062 (f	
	420783	AI659988	Hs.99923	lectin, galactoside-binding, soluble, 7	11.98
	423673	BE003054	Hs.1695	matrix metalloproteinase 12 (macrophage	10.99
	426350	NM_003245	Hs.2022	transglutaminase 3 (E polypeptide, prote	10.77
15	432239	X81334	Hs.2936	matrix metalloproteinase 13 (collagenase	10.31
	446292	AF081497	Hs.279682	Rh type C glycoprotein	9.69
	421978	AJ243662	Hs.110196	NICE-1 protein	9.68
	448811	AI59371	Hs.199460	ESTs	9.38
	453331	AI240655		ESTs	9.37
20	423634	AW959908	Hs.1690	heparin-binding growth factor binding pr	9.28
	413719	BE439580	Hs.75498	small inducible cytokine subfamily A (Cy	9.18
	406687	M31126		matrix metalloproteinase 11 (stromelysin	9.13
	454034	NM_000691	Hs.575	aldehyde dehydrogenase 3 family, member	9.04
	450701	H39960	Hs.288467	hypothetical protein XP_098151	8.77
25	418865	Z36830	Hs.87268	annexin A8	8.76
	421110	AJ250717	Hs.1355	cathespin E	8.42
	407788	BE514982	Hs.38991	S100 calcium-binding protein A2	8.42
	424012	AW368377	Hs.137569	tumor protein 63 kDa with strong homolog	8.38
	423217	NM_000694	Hs.1640	collagen, type VII, alpha 1 (epidermolys	8.18
30	427666	AJ791495	Hs.180142	calmodulin-like skin protein (CLSP)	8.11
	450375	AA009647		a disintegrin and metalloproteinase domain	8.03
	401785			NM_002275: Homo sapiens keratin 15 (KRT1	7.97
	445891	AW391342	Hs.199460	DPCR1 protein	7.95
	437053	AU077018	Hs.3235	keratin 4	7.93
35	423273	W47225	Hs.126256	Interleukin 1, beta	7.80
	409757	NM_001898	Hs.123114	cystatin SN	7.74
	444342	NM_014398	Hs.10887	similar to lysosome-associated membrane	7.64
	452838	U65011	Hs.30743	preferentially expressed antigen in melu	7.58
	429211	AF052693	Hs.198249	gap junction protein, beta 5 (connexin 3	7.55
40	428330	L22524	Hs.2256	matrix metalloproteinase 7 (matrixin,	7.26
	448045	AJ297436	Hs.20166	prostate stem cell antigen	7.14
	408243	Y00787	Hs.624	Interleukin 8	7.13
	429359	W00482	Hs.2399	matrix metalloproteinase 14 (membrane-in	7.08
	437191	NM_006846	Hs.331555	serine protease inhibitor, Kazal type, 5	7.04
45	407366	AF026942	Hs.17518	gb:Homo sapiens clg33 mRNA, partial seque	7.04
	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	6.98
	421379	Y15221	Hs.103982	small inducible cytokine subfamily B (Cy	6.89
	414774	X02419	Hs.77274	plasminogen activator, urokinase	6.85
	439926	AW014875	Hs.137007	ESTs	6.84
50	446921	AB012113	Hs.18530	small inducible cytokine subfamily A (Cy	6.82
	429259	AA420450	Hs.282911	Plakophilin	6.77
	419741	NM_007019	Hs.93002	ubiquitin carrier protein E2-C	6.71
	424834	AK001432	Hs.153408	Homo sapiens cDNA FLJ10570 f1, clone NT	6.67
	429228	AI563833		ESTs	6.61
55	426312	AF026939	Hs.161874	Interferon-induced protein with tetratric	6.60
	431211	M86849	Hs.323733	gap junction protein, beta 2, 25kD (conn	6.58
	441352	BE614410	Hs.23044	RAD51 (S. cerevisiae) homolog (E. coli Re	6.55
	414987	AA624394	Hs.294022	hypothetical protein FLJ14950	6.54
	446989	AK001898	Hs.16740	hypothetical protein FLJ11036	6.53
60	409632	W74001	Hs.65279	serine (or cysteine) proteinase inhibitor	6.51
	422166	W72424	Hs.112405	S100 calcium-binding protein A9 (calgran	6.49
	417515	L24203	Hs.82237	alpha-1-antitrypsin group D-associated	6.48
	428471	X57348	Hs.184510	stretin	6.46
	422511	AU076442	Hs.117938	collagen, type XVII, alpha 1	6.45
65	444381	BE387335	Hs.283713	ESTs, weakly similar to S64054 hypothetical	6.44
	401747			Homo sapiens keratin 17 (KRT17)	6.42
	421508	NM_004833	Hs.105115	absent in melanoma 2	6.42
	416768	AA363733	Hs.1032	regenerating islet-derived 1 alpha (panc	6.42
	417079	U65590	Hs.81134	interleukin 1 receptor antagonist	6.41
70	423274	W68815	Hs.301885	Homo sapiens cDNA FLJ1346 f1, clone FL	6.39
	422596	AF063611	Hs.118633	2'-5'-oligoadenylate synthetase-like	6.38
	409601	AF237621	Hs.80828	keratin 1 (epidermolytic hyperkeratosis)	6.36
	444781	NM_014400	Hs.11950	GPI-anchored metallocid-associated prote	6.35
	407811	AW190902	Hs.40098	cysteine knot superfamily 1, BMP antagonist	6.33
	425415	M13903	Hs.157091	invulin	6.32
75	431953	X63629	Hs.2877	cadherin 3, type 1, P-cadherin (placenta	6.30
	415989	AI267700		ESTs	6.23
	408673	M34995	Hs.198253	major histocompatibility complex, class	6.21
	449228	AJ403107	Hs.148590	protein related with psoriasis	6.21
	436749	AA564890	Hs.5302	lectin, galactoside-binding, soluble, 4	6.18
80	444527	NM_005408	Hs.11383	small inducible cytokine subfamily A (Cy	6.06
	418663	AK001100	Hs.41690	desmocollin 3	6.04
	428368	BE440042	Hs.83326	matrix metalloproteinase 3 (stromelysin	5.98
	414915	NM_002462	Hs.76391	myxovirus (influenza) resistance 1, homo	5.96

5	452401	NM_007115	Hs.29352	tumor necrosis factor, alpha-induced pro	5.93
	452304	AA025386	Hs.61311	ESTs, Weakly similar to S10590 cysteine	5.92
	418004	U37519	Hs.87539	aldehyde dehydrogenase 3 family, member	5.92
	424620	AA101043	Hs.151254	kalikrein 7 (chymotrypsic, stratum cor	5.84
	425650	NM_001944	Hs.1925	desmoglein 3 (pampiglus vulgaris antigen	5.76
	400655			NM_002425:Homo sapiens matrix metallopro	5.75
	427747	AW411425	Hs.180655	serine/threonine kinase 12	5.72
	425247	NM_005940	Hs.155324	matrix metalloproteinase 11 (stromelysin	5.72
10	414004	AA737033	Hs.7155	ESTs, Moderately similar to 211535TA TYK	5.71
	422765	AW409701	Hs.1578	baculoviral IAP repeat-containing 5 (sur	5.70
	439506	W79123	Hs.65561	G protein-coupled receptor 87	5.70
	445417	AK001058	Hs.12680	Homo sapiens cDNA FLJ10196 fis, clone HE	5.68
	433447	U29195	Hs.3281	neuronal pentraxin II	5.67
15	428227	AA321649	Hs.2248	small inducible cytokine subfamily B (Cy	5.64
	408000	11690	Hs.198689	bullous pemphigoid antigen 1 (230/240kD)	5.62
	413219	AA878200	Hs.118727	Homo sapiens cDNA FLJ13692 fis, clone PL	5.60
	428450	NM_014791	Hs.184339	KIAA0175 gene product	5.53
	424408	AI754813	Hs.146428	collagen, type V, alpha 1	5.50
20	416250	AA581386	Hs.73452	hypothetical protein MGC10791	5.48
	447164	AF026941	Hs.17518	Homo sapiens cig5 mRNA, partial sequence	5.47
	412326	R07566	Hs.73817	small inducible cytokine A3 (homologous	5.44
	439223	AW238299	Hs.250618	UL.23 binding protein 2	5.44
	431629	AU077025	Hs.265827	interferon, alpha-inducible protein (clo	5.42
	402994			NM_002463*:Homo sapiens myxovirus (infl	5.40
25	447333	BE090580	Hs.70704	hypothetical protein dJ61688.3	5.40
	426991	AK001536		Homo sapiens cDNA FLJ10574 fis, clone NT	5.36
	454241	BE144666		gb:CM2-HT0176-041099-017-c02 HT0176 Homo	5.33
	408716	AI567839	Hs.151714	Homo sapiens mRNA for KIAA1769 protein,	5.32
30	449722	BE280074	Hs.23950	cyclin B1	5.31
	428434	AW363590	Hs.65551	Homo sapiens, Similar to DNA segment, Ch	5.30
	426263	NM_003937	Hs.169139	lymureninase (L-lymurenine hydrolase)	5.29
	418941	AA452970	Hs.239527	E1B-55kDa-associated protein 5	5.29
	417720	AA205625	Hs.208067	ESTs	5.29
35	424008	R02740	Hs.137555	putative chemokine receptor, GTP-binding	5.28
	419216	AU076718	Hs.164021	small inducible cytokine subfamily B (Cy	5.27
	431620	AA126109	Hs.264981	2'-5'-oligoadenylate synthetase 2 (69-71	5.26
	430280	AA361258	Hs.237968	interleukin 7 receptor	5.25
	422627	BE336857	Hs.118787	transforming growth factor, beta-induced	5.24
	402075			ENSP00000251056*:Plasma membrane calcium	5.24
40	413763	U17760	Hs.75517	laminin, beta 3 (nolin (125kD), kalinin	5.24
	445537	AJ245871	Hs.12844	EGF-like-domain, multiple 6	5.22
	446619	AU076643	Hs.313	secreted phosphoprotein 1 (osteonectin,	5.22
	418558	AW082266	Hs.86131	Fas (TNFRSF6)-associated via death domain	5.21
45	422440	NM_004812	Hs.116724	aldo-keto reductase family 1, member B10	5.20
	426188	M98447	Hs.22	transglutaminase 1 (K polypeptide epider	5.20
	408663	U24683	Hs.293441	immunoglobulin heavy constant mu	5.19
	409178	BE393948	Hs.50915	kalikrein 5	5.15
	443426	AF098158	Hs.9329	chromosome 20 open reading frame 1	5.14
	410700	AA362336	Hs.65641	hypothetical protein FLJ20073	5.10
50	418054	NM_002318	Hs.83354	lysyl oxidase-like 2	5.09
	452281	T93500	Hs.28792	Homo sapiens cDNA FLJ11041 fis, clone PL	5.09
	412471	M63193	Hs.73946	endothelial cell growth factor 1 (platelet	5.08
	411274	NM_002776	Hs.69423	kalikrein 10	5.07
55	407756	AA116021	Hs.38260	ubiquitin specific protease 18	5.03
	409893	AW247090	Hs.57101	minichromosome maintenance deficient (S.	5.03
	433800	AJ034361	Hs.135150	lung type-I cell membrane-associated gly	5.02
	412755	BE144308	Hs.179891	ESTs, Weakly similar to P4HA_HUMAN PROLY	5.02
	416530	U62801	Hs.79361	kalikrein 6 (neurosin, zyme)	5.02
60	429058	AF138853	Hs.35254	hypothetical protein FLB6421	5.00
	442117	AW864964	Hs.128899	ESTs; hypothetical protein for IMAGE:447	5.00
	426711	AA363471	Hs.343800	conserved gene amplified in osteosarcoma	4.97
	405770			NM_002362:Homo sapiens melanoma antigen,	4.96
	444783	AK001468	Hs.62180	actinin (Drosophila Scraps homolog), act	4.94
	420859	AW658397	Hs.100000	S100 calcium-binding protein A8 (calgran	4.94
65	426866	U02330	Hs.172816	neuregulin 1	4.93
	423017	AW178761	Hs.227948	serine (or cysteine) proteinase inhibitor	4.92
	455601	AI368680	Hs.816	SRY (sex determining region Y)-box 2	4.91
	409958	AW103364	Hs.727	inhibin, beta A (activin A, activin AB a	4.90
	427766	BE407863	Hs.256871	ESTs	4.87
70	409420	Z16008	Hs.54451	laminin, gamma 2 (nolin (100kD), kalini	4.86
	444371	BE540274	Hs.239	forkhead box M1	4.86
	431009	BE149762	Hs.48956	gap junction protein, beta 6 (connexin 3	4.85
	434626	AF155661	Hs.22265	pyruvate dehydrogenase phosphatase	4.84
	405690	M29540	Hs.220529	cardioembryonic antigen-related cell ad	4.83
75	409402	AF208234	Hs.695	cystatin B (stefin B)	4.81
	408202	AA227710	Hs.43658	DKFZP586L151 protein	4.79
	401994			Target Exon	4.77
	425292	NM_005824	Hs.155545	37 kDa leucine-rich repeat (LRR) protein	4.74
	421574	AJ000152	Hs.105924	defensin, beta 2	4.69
80	428299	AI620463	Hs.347408	hypothetical protein MGC13102	4.69
	422109	S73265	Hs.1473	gastrin-releasing peptide	4.68
	439453	BE264974	Hs.6566	thyroid hormone receptor interactor 13	4.68
	407944	R34008	Hs.239727	desmocollin 2	4.67

411298	BE207307	Hs.10114	growth suppressor 1	4.65
433364	AI075407	Hs.296083	ESTs, Moderately similar to 154374 gene	4.65
425234	AW152225	Hs.165909	ESTs, Weakly similar to 138022 hypotheli	4.61
421335	X99977	Hs.103505	ARS component B	4.60
5	422515	AW500470	multifunctional polypeptide similar to S	4.59
	453779	N35187	Hs.43388 28kD interferon responsive protein	4.59
	423575	C18863	Hs.163443 perifosin (OSF-2αs)	4.59
	417308	Hs.60720	Hs.81892 KIAA0101 gene product	4.58
10	428651	AF196478	Hs.198401 annexin A10	4.58
	424354	NM_014314	Hs.145612 RNA helicase	4.58
	404996		Target Exon	4.56
	404240		NM_018950:Homo sapiens major histocompat	4.56
	453095	AW295660	Hs.252756 ESTs	4.55
15	410407	X66839	Hs.63287 carbonic anhydrase IX	4.55
	418678	NM_001327	Hs.87225 cancer/testis antigen (NY-ESO-1)	4.55
	450585	L15533	Hs.423 pancreatitis-associated protein	4.54
	425483	AF231022	Hs.158159 FAT tumor suppressor (Drosophila) homolo	4.53
	425397	J04086	Hs.156346 topoisomerase (DNA) II alpha (170kD)	4.52
20	408380	AF123050	Hs.44532 diubiquitin	4.47
	443859	NM_013409	Hs.9914 follistatin	4.46
	411773	NM_006799	Hs.72026 protease, serine, 21 (lesilin)	4.44
	412140	AA219691	Hs.73625 RAB6 interacting, kinesin-like (rabkd6s	4.44
	421777	BE562088	Hs.108198 HSPC037 protein	4.44
25	408908	BE296227	Hs.250822 serine/threonine kinase 15	4.43
	408122	AA432652	Hs.42824 hypothetical protein FLJ10718	4.42
	422487	AJ010901	Hs.198267 mucin 4, tracheobronchial	4.42
	400419	AF084545	Target	4.42
	452671	W31518	Hs.34665 ESTs	4.41
30	430044	AA464510	Hs.152012 ESTs	4.41
	414732	AW410876	Hs.77152 minichromosome maintenance deficient (S.	4.39
	448111	AA053486	Hs.20315 interferon-induced protein with tetratric	4.39
	43347	AI052543	Hs.133244 melanoma-derived leucine zipper, extra-n	4.39
	453884	AA355925	Hs.36232 KIAA0186 gene product	4.38
35	436481	AA378597	Hs.5199 HSPC150 protein similar to ubiquitin-con	4.37
	417800	BE250127	Hs.82906 CDC20 (cell division cycle 20, S. cerevi	4.37
	424046	AF027866	Hs.138202 serine (or cysteine) proteinase inhibito	4.37
	427983	M17706	Hs.2233 colony stimulating factor 3 (granulocyte	4.36
	448357	N20169	Hs.108523 RAB38, member RAS oncogene family	4.36
40	409041	AB033025	Hs.50081 Hypothetical protein, XP_051860 (KIAA119	4.34
	439999	AA115811	Hs.6838 ras homolog gene family, member E	4.34
	410381	BE391804	Hs.62661 guanylate binding protein 1, Interferon-	4.34
	409703	NM_006187	Hs.56009 2'-5'-oligoadenylate synthetase 3 (100 k	4.32
	402447		C1000201|gi|204416|gb|AA02627.1| (L0519	4.31
45	426514	BE166633	Hs.170195 bone morphogenetic protein 7 (osteogenic	4.28
	432731	R31178	Hs.287820 fibronectin 1	4.27
	422397	AJ223366	Hs.116051 Homo sapiens cDNA: FLJ22495 (is, clone H	4.27
	413670	AB000115	Hs.75470 hypothetical protein, expressed in osteo	4.25
	425580	L11144	Hs.1907 gelatin	4.25
50	421505	BE302795	Hs.105097 thymidine kinase 1, soluble	4.23
	409433	AA074382	Hs.135255 ESTs	4.23
	436330	AW268920	Hs.2621 cystatin A (stefin A)	4.22
	447343	AA256641	Hs.236894 ESTs, Highly similar to S02392 alpha-2-m	4.21
	407047	X63965	gb:H_sapiens SOD-2 gene for manganese su	4.20
55	432375	BE536069	Hs.2862 S100 calcium-binding protein P	4.20
	434449	AW953484	Hs.3849 hypothetical protein FLJ22041 similar to	4.19
	417866	AW087903	Hs.82772 collagen, type XI, alpha 1	4.19
	436291	BE558452	Hs.344037 protein regulator of cytokines 1	4.18
	418140	BE613836	Hs.83551 microfibrillar-associated protein 2	4.17
60	410286	AJ739159	Hs.61898 DKFZP586N2124 protein	4.16
	448844	AI581519	Hs.177164 ESTs	4.16
	432680	T47364	Hs.278813 interferon, alpha-inducible protein 27	4.16
	417599	AA204688	Hs.62954 ESTs	4.16
	402892		Target Exon	4.15
65	428500	X78565	Hs.269114 hexabrachion (tenascin C, cytokeratin)	4.14
	422100	AI096988	Hs.111554 ADP-ribosylation factor-like 7	4.13
	409812	AW879187	Hs.293591 melanoma differentiation associated prot	4.12
	446685	AL038704	Hs.156827 ESTs, Weakly similar to ALU1_HUMAN ALU S	4.11
	407137	T97307	gb:ye53h05.s1|Scarec fetal liver spleen	4.10
70	411263	BE297802	Hs.69360 kinectin-like 6 (mitotic centromere-assoc	4.10
	439979	AW600291	Hs.5823 hypothetical protein FLJ10430	4.10
	423905	AW579960	Hs.135150 long type-I cell membrane-associated gly	4.09
	427337	Z46223	Hs.176663 Fc fragment of IgG, low affinity IIb, r	4.08
	417933	X02308	Hs.82962 thymidylate synthetase	4.08
	418689	AI360883	Hs.274448 hypothetical protein FLJ11029	4.06
75	417678	X06550	Hs.82398 2',5'-oligoadenylate synthetase 1 (40-46	4.06
	461541	BE279383	Hs.26557 pikophilin 3	4.06
	433848	AF095719	Hs.93764 carboxypeptidase A4	4.05
	418113	AJ272141	Hs.83484 SRY (sex determining region Y)-box 4	4.04
	429599	AA808106	Hs.123664 ESTs	4.03
80	450823	T81223	Hs.222011 complement-c1q tumor necrosis factor-rel	4.02
	423787	AJ295745	Hs.236204 nuclear pore complex protein	4.00
	431250	BE264649	Hs.251377 taxol resistance associated gene 3	4.00
	416091	AF295370	Hs.283082 defensin, beta 3	3.97

401464	6682291	Minus	170688-170834
403969	8569909	Plus	31237-31375,32405-32506
401837	7630990	Minus	120993-121095,121660-121729
5	404068	3168621	Minus 18123-18766
	403137	9211494	Minus 92349-92572,92958-93084,93579-93712,9394
	402679	8113438	Plus 132079-132216
	403780	8076989	Plus 93160-93409
	404071	7210053	Minus 167354-167859,168810-168920,169000-16910
10	403242	7637817	Minus 11297-12511
	402260	3399665	Minus 113765-113910,115853-115765,116808-11694
	400587	9887626	Plus 25435-25588,25668-25747
	405770	2735037	Plus 61057-62075
	403532	8076842	Minus 81750-81901
15	406137	9166422	Minus 30497-31058
	402677	8113438	Plus 22135-22309,23063-23238
	402878	8113438	Plus 37395-37514,37865-37581

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TABLE 52A:

Pkey: Unique Eos probeset identifier number

ExAccn: Exemplar Accession number, Genbank accession number

25 UnigenelD: Unigene number

Unigene Title: Unigene gene title

R1: Ratio of testicular cancer (non-seminomatous and Seminomatous) compared to normal adult testicular tissues

Pkey	ExAccn	UnigenelD	Unigene Title	R1	
30	414438	AI879277	Hs.76136 thioredoxin	61.77	
	424247	X14008	Hs.234734 lysozyme (renal amyloidosis)	49.93	
	416680	AW245540	Hs.79516 brain abundant, membrane attached signal	49.20	
	412948	BE243313	Hs.334851 LIM and SH3 protein 1	44.46	
	438091	AW373082	Hs.234734 nuclear receptor subfamily 1, group 1, m	40.70	
	406658	AI920965	Hs.77951 major histocompatibility complex, class	39.64	
	418174	L20688	Hs.83656 Rho GDP dissociation inhibitor (GDI) beta	38.70	
	409030	T97490	Hs.50002 small inducible cytokine subfamily A (Cyt	38.25	
	413063	AL035737	Hs.75184 chitinase 3-like 1 (cartilage glycoprote	37.50	
	430542	AI557486	Hs.119122 ribosomal protein L13a	37.22	
	428928	BE409838	Hs.194657 cadherin 1, type 1, E-cadherin (epitheli	35.98	
	432730	AI086520	Hs.131358 ESTs	35.25	
	444562	AA186715	Hs.336429 RIKEN cDNA 9130422N19 gene	31.69	
	446525	AW9567069	Hs.211558 hypothetical protein MGC5487	31.33	
	417088	M54915	Hs.81170 pim-1 oncogene	31.20	
40	418870	AF147204	Hs.88414 chemokine (C-X-C motif), receptor 4 (fus	29.93	
	433800	AI034361	Hs.135150 lung type-1 cell membrane-associated gly	29.35	
	426295	AW367283	Hs.234734 zinc finger protein 6 (CMPX1)	29.32	
	406856	AW515336	Hs.29787 ribosomal protein L10	28.93	
	417139	M69043	Hs.81328 nuclear factor of kappa light polypeptid	27.99	
	440207	AI371978	Hs.128282 ESTs	27.75	
	422578	AF239666	Hs.1545 caudal type homeobox transcription fact	26.95	
	432359	AA076049	Hs.274415 Homo sapiens cDNA FLJ10229 fis, clone HE	26.90	
	420367	AA255090	Hs.257028 ESTs	26.50	
	429978	AA2498027	Hs.7188 ribosomal protein S8	26.43	
	440440	Z28925	Hs.7188 sema domain, immunoglobulin domain (Ig),	26.36	
	423673	BE003054	Hs.1695 matrix metalloproteinase 12 (macrophage	26.23	
	412636	NM_004415	Hs.1695 desmoplakin (DPI, DP1)	26.15	
	436538	AB011540	Hs.4930 low density lipoprotein receptor-related	26.25	
	446899	NM_005397	Hs.16426 podocalyxin-like	25.25	
	442562	BE378584	Hs.234734 dolichyl-diphosphooligosaccharide-proteol	25.15	
	406656	M16714	Hs.89643 major histocompatibility complex, class	25.13	
	446619	AU076543	Hs.313 secreted phosphoprotein 1 (osteopontin,	24.78	
	423951	D13866	Hs.136348 penicillin (OSF-2os)	24.48	
	425543	R23313	Hs.334895 ribosomal protein L10a	24.38	
	420676	AI434780	Hs.4248 vav 2 oncogene	24.18	
	406820	A1223958	Hs.108124 ribosomal protein S4, X-linked	23.95	
	440869	NM_014297	Hs.7486 protein expressed in thyroid	23.80	
	447526	AL048763	Hs.303849 small inducible cytokine A2 (monocyte ch	23.56	
	70	414587	NM_004862	Hs.76507 LPS-induced TNF-alpha factor	23.22
	446627	AI973018	Hs.15725 hypothetical protein SBB148	22.93	
	449571	AW016812	Hs.200266 ESTs	22.83	
	413787	AI352558	Hs.17625 tyrosine 3-monooxygenase/tryptophan 5-mo	22.81	
	410315	AI638871	Hs.17625 Homo sapiens cDNA: FLJ22524 fis, clone H	22.68	
	414092	Z14244	Hs.75752 cytochrome c oxidase subunit VIIb	22.45	
	422714	AB018335	Hs.119387 KIAA0792 gene product	22.45	
	439180	AI393742	Hs.199087 v-erb-b2 avian erythroblastic leukemia v	22.30	
	444784	D12485	Hs.11951 ectonucleotide pyrophosphatase/phosphodi	21.69	
	406648	AA563730	Hs.27477 major histocompatibility complex, class	21.58	
	448588	AI970276	Hs.156905 KIAA1676	21.23	
80	433423	BE407127	Hs.8997 heat shock 70kD protein 1A	21.19	
	429490	AI971131	Hs.23889 ESTs, Weakly similar to ALU7_HUMAN ALU S	20.70	
	432606	NM_002104	Hs.3066 granzyme K (serine protease, granzyme 3;	20.60	
	407862	BE548267	Hs.337986 Homo sapiens cDNA FLJ10934 fis, clone OV	20.57	

433001	AF217513	Hs.279905	clone HQ0310 PRO0310p1	3.60	
430994	AA490345	Hs.40530	Homo sapiens, clone MGC:17624, mRNA, com	3.60	
456534	X91195	Hs.100623	phospholipase C, beta 3, neighbor pseudo	3.59	
437340	AL353935	Hs.135917	hypothetical protein DKFZp761D1623	3.59	
5	435793	AB037734	Hs.4993	KIAA1313 protein	3.59
	437016	AU076916	Hs.5398	guanine monophosphate synthetase	3.59
	420247	AA256930	Hs.44680	hypothetical protein FLJ20979	3.58
	424308	AW975531	Hs.154443	minichromosome maintenance deficient (S.	3.57
	422282	AF019225	Hs.114309	apolipoprotein L	3.57
10	424635	AA420687	Hs.115455	Homo sapiens cDNA FLJ14259 fis, clone PL	3.57
	421044	AF061871	Hs.101302	Human DNA sequence from clone RP1-238D15	3.57
	408015	AW136771	Hs.244349	epidermal differentiation complex protein	3.56
	422556	BE545072	Hs.122579	ECT2 protein (Epithelial cell transform	3.56
15	449039	AI982602	Hs.74284	hypothetical protein MGC2714	3.56
	446269	AW263155	Hs.14559	hypothetical protein FLJ10540	3.56
	400297	AI127076	Hs.308201	hypothetical protein DKFZp664O1278	3.55
	428977	AK001404	Hs.194698	cyclin B2	3.55
	402995			NM_002463:Homo sapiens myxovirus (infl	3.55
	416065	BE267931	Hs.78996	proliferating cell nuclear antigen	3.54
20	432917	NM_014125	Hs.241517	PRO0327 protein	3.54
	439750	AL359053	Hs.57664	Homo sapiens mRNA full length insert cDN	3.53
	445411	AL137255	Hs.12646	hypothetical protein FLJ22693	3.52
	438113	AI467908	Hs.8882	ESTs	3.52
25	414420	AA043424	Hs.76095	immediate early response 3	3.51
	419682	H13139	Hs.92282	paired-like homeodomain transcription fa	3.50
	447209	BE315291	Hs.237971	hypothetical protein MGC5627	3.50
	432543	AA552690	Hs.152423	Homo sapiens cDNA: FLJ21274 fis, clone C	3.49
	442295	AI827248	Hs.224398	Homo sapiens cDNA FLJ11469 fis, clone HE	3.49
30	426440	BE382756	Hs.169902	solute carrier family 2 (facilitated glu	3.49
	429249	X81479	Hs.2375	egf-like module containing, mucin-like,	3.48
	413900	AW409747	Hs.75612	stress-induced-phosphoprotein 1 (Hsp70/H	3.48
	424242	AA337476	Hs.347408	hypothetical protein MGC13102	3.48
	414761	AU077228	Hs.77256	enhancer of zeste (Drosophila) homolog 2	3.47
	448480	NM_014578	Hs.15114	ras homolog gene family, member	3.46
35	414825	X03670	Hs.77432	epidermal growth factor receptor (avian	3.46
	428865	BE544095	Hs.164950	BarH-like homeobox 1	3.46
	449003	X76342	Hs.389	alcohol dehydrogenase 7 (class IV), mu o	3.46
	450506	NM_004460		fibroblast activation protein, alpha	3.46
40	421307	BE539976	Hs.103305	Homo sapiens mRNA; cDNA DKFZp434B0425 (f	3.45
	422938	NM_001809	Hs.1594	centromere protein A (17kD)	3.45
	405645			Target Exon	3.45
	418322	AA284168	Hs.84113	cyclin-dependent kinase inhibitor 3 (CDK	3.44
	441703	AW390054	Hs.192843	leucine zipper protein FKSG14	3.44
	417944	AU077195	Hs.82985	collagen, type V, alpha 2	3.44
45	417924	AI077231	Hs.82932	cyclin D1 (PRAD1: parathyroid adenomas	3.44
	431228	AB006746	Hs.198282	phospholipid scramblase 1	3.44
	422363	T55979	Hs.115474	replication factor C (activator 1) 3 (38	3.43
	440502	AI824113	Hs.78281	regulator of G-protein signalling 12	3.43
	448741	BE614567	Hs.18574	hypothetical protein MGC5468	3.43
50	453922	AF053306	Hs.35708	building uninhibited by benzimidazoles 1	3.43
	408646	M33600	Hs.308026	major histocompatibility complex, class	3.42
	413281	AA861271	Hs.222024	transcription factor BMAL2	3.42
	449101	AA205847	Hs.23016	G protein-coupled receptor	3.42
	430890	X54232	Hs.2699	glypican 1	3.41
55	422809	AK001379	Hs.121028	hypothetical protein FLJ10549	3.41
	412429	AV650262	Hs.75765	GRO2 oncogene	3.41
	443211	AI128383	Hs.143855	ESTs	3.41
	422209	AF005210	Hs.113222	chemokine (C-C motif) receptor 8	3.40
60	428303	AW974476	Hs.183601	regulator of G-protein signalling 16	3.39
	421817	AI160774	Hs.108860	ATP-binding cassette, sub-family C (CFTR	3.39
	428664	AK001688	Hs.188095	similar to SALL1 (sal (Drosophila)-like	3.39
	422101	AW404176	Hs.111611	ribosomal protein L27	3.39
	457670	AI119566	Hs.23449	insulin receptor tyrosine kinase substrate	3.38
65	437033	AW248364	Hs.5409	RNA polymerase I subunit	3.37
	425322	U63630	Hs.156537	protein kinase, DNA-activated, catalytic	3.37
	417059	AL037672	Hs.81071	extracellular matrix protein 1	3.37
	400298	AAD32279	Hs.81635	st6 transmembrane epithelial antigen of	3.36
	414812	X72755	Hs.77357	monolayer induced by gamma interferon	3.36
	436748	BE159107	Hs.169263	collagen, type VI, alpha 2	3.36
70	401797			Target Exon	3.36
	428309	M97815	Hs.183650	cellular retinoic acid-binding protein 2	3.35
	421563	NM_006433	Hs.105805	granzysin	3.35
	402294			Target Exon	3.34
75	414024	AA134712	Hs.22410	gbznm79g08.1 Stratagene neuroepithelium	3.34
	401961			NM_021628:Homo sapiens serine carboxypep	3.33
	418462	BE001596	Hs.85266	integrin, beta 4	3.33
	418867	D31771	Hs.89404	msh (Drosophila) homeo box homolog 2	3.33
	424800	AL035588	Hs.153203	MyoD family inhibitor	3.33
	412420	AL035668	Hs.73853	bone morphogenic protein 2	3.33
80	404440			NM_021048:Homo sapiens melanoma antigen,	3.33
	432398	AA307808	Hs.2979	transferrin factor 2 (spasmolytic protein 1)	3.33
	421677	H64092	Hs.38282	ESTs	3.33
	407792	AI077715	Hs.39384	putative secreted ligand homologous to f	3.32

449048	Z45051	Hs.22920	similar to S68401 (cattle) glucose inducible eukaryotic translation initiation factor	3.32
417197	AW994561	Hs.151777		3.32
429669	BE185499	Hs.2471	KIAA0220 gene product	3.32
409636	AA305729	Hs.18272	amino acid transporter system A1	3.32
5	429415	NM_002593	procollagen C-endopeptidase enhancer Target Exon	3.32
	405386			3.32
	410274	AA381807	Hs.61762 hypoxia-inducible protein 2	3.31
	448275	BE514434	Hs.20830 kinesin-like 2	3.31
10	418245	AA088767	Hs.83883 transmembrane, prostate androgen induced	3.31
	452281	AF015592	CDC7 (cell division cycle 7, <i>S. cerevisiae</i>)	3.31
	431830	Y16645	small inducible cytokine subfamily A (Cytokine)	3.31
	422675	AK000546	hypotheical protein FLJ20539	3.31
	404171		NM_000636 Homo sapiens superoxide dismutase	3.31
15	418464	R87680	gb:ym89h07.r1 Soares adult brain N2b4HB5	3.31
	425566	AW162943	BL16 binding protein 2	3.31
	410226	AI831958	hypothetical protein	3.30
	432281	AK001239	hypothetical protein FLJ10377	3.30
	443247	BE614387	c-Myc target IPO1	3.30
20	449717	AB040935	cerebral cell adhesion molecule	3.30
	428336	AA503115	microseminoprotein, beta-	3.29
	416111	AA033813	chromatin assembly factor 1, subunit A (	3.29
	420759	T11832	Homo sapiens cDNA FLJ11381 f1s, clone HE	3.28
	432336	NM_002759	protein kinase, interferon-inducible dou	3.28
25	405778	AA316241	NM_005361 Homo sapiens melanoma antigen, nucleophosmin/nucleoplasmin 3	3.27
	421160	AI913562	ESTs	3.27
	406400		kalikrein 8 (neuropsin/woxin) (KLK8)	3.27
	455813	BE141577	gb:CV2-HT003-071299-018-a11 HT0033 Homo	3.27
30	426054	BE387014	Homer, neuronal immediate early gene, 3	3.27
	458814	AI498957	ESTs, Weakly similar to Z195_HUMAN ZINC	3.27
	458791	BE615453	dedicator of cyto-kinase 1	3.27
	419551	AW582256	anterior gradient 2 (<i>Xenopus laevis</i>) hom	3.26
	429002	AW248439	junction plakoglobin	3.26
35	450000	AI952797	hypothetical protein FLJ21709	3.25
	407777	AA161071	AA161071	3.25
	419485	AA489023	equolene epoxidase	3.25
	426437	BE076537	ESTs, Weakly similar to unnamed protein	3.25
	415701	NM_003678	ubiquitin-conjugating enzyme E2L 6	3.24
	412817	AL037159	gamma-glutamyl hydrolase (conjugase, folate)	3.24
40	447519	U46258	proteasome (prosome, macropain) 26S subunit	3.24
	412561	NM_002286	ESTs	3.24
	446528	AU076540	lymphocyte-activation gene 3	3.24
	423188	MB1933	nucleolar protein 1 (120kD)	3.24
	415091	AL044872	cell division cycle 25A	3.23
45	441085	AW136551	3-hydroxy-3-methylglutaryl-Coenzyme A lyase	3.23
	443071	AL080021	Homo sapiens cDNA FLJ12532 f1s, clone NT	3.22
	408904	AK001330	complement component 1, q subcomponent	3.22
	425849	AJ000512	hypothetical protein FLJ10458	3.22
50	410275	U85658	serum/glucocorticoid regulated kinase	3.22
	415817	U88857	transcription factor AP-2 gamma (activator protein)	3.22
	408197	N54706	tyrosine phosphatase, receptor-type	3.21
	412641	M16660	chromosome 11 open reading frame 24	3.21
	413435	AF23B083	heat shock 90kD protein 1, beta	3.21
	408636	BE294925	sphingosine kinase 1	3.21
55	421215	AK001763	CGI-12 protein	3.21
	413142	M31740	hypothetical protein FLJ10901	3.21
	411573	AB029000	citrulline decarboxylase 1	3.21
	428242	H55709	KIAA1077 protein	3.20
60	409361	NM_005982	leukemia inhibitory factor (cholinergic)	3.19
	435014	BE580898	sine oculis homeobox (<i>Drosophila</i>) homolog	3.19
	401176		mitochondrial ribosomal protein L17	3.18
	434551	BE387162	Target Exon	3.18
	410310	J02931	ESTs, Highly similar to A35561 DNA excision	3.17
	427584	BE5410293	coagulation factor III (thromboplastin)	3.16
65	423725	AJ403108	v-myc avian myeloblastosis viral oncogen	3.16
	452012	AA307703	hypothetical protein LOC57822	3.16
	407289	AA135169	kinase family member 4A	3.16
	409461	AA382169	Homo sapiens cDNA FLJ12149 f1s, clone MA	3.15
	433020	A1375726	N-myc (and STAT) interactor	3.15
70	437915	AI637993	hypothetical protein	3.14
	426997	BE620738	Homo sapiens clone N11 NTera2D1 teratocarcinoma	3.14
	420005	AW221106	peptidyl-prolyl isomerase F (cyclophilin)	3.14
	426935	NM_000088	ESTs	3.14
	412270	AC005262	collagen, type I, alpha 1	3.13
75	421975	AW981017	guanine nucleotide binding protein (G protein)	3.13
	427585	D31152	hypothetical protein FLJ11856	3.13
	448140	AF146761	collagen, type I, alpha 1 (Schmid metapathic)	3.12
	431722	AF161528	BCM-like membrane protein precursor	3.11
	427239	BE270447	Hs.268049 hypothetical protein	3.11
80	413985	M34455	Hs.174070 ubiquitin carrier protein	3.11
	439780	AL109688	Indoleamine-pyrole 2,3 dioxygenase	3.10
	422685	BE244068	gb:Hom sapiens mRNA full length insert	3.10
	418090	U57059	interleukin 12 receptor, beta 1	3.10
			tumor necrosis factor (ligand) superfamily	3.10

439755	AW74B482	Hs.77873	B7 homolog 3	3.10	
404170		NM_000636	Homo sapiens superoxide dismutase	3.09	
417370	T28651	Hs.82030	tryptophanyl-tRNA synthetase	3.09	
410006	AW732308	Hs.57783	eukaryotic translation initiation factor	3.09	
5	446291	BE397753	Hs.14623	interferon, gamma-inducible protein 30	3.08
421155	H87879	Hs.102267	lysyl oxidase	3.08	
441224	AU076564	Hs.7753	calumenin	3.08	
424326	NM_014479	Hs.145296	disintegrin protease	3.08	
10	429413	NM_014058	Hs.201877	DESC1 protein	3.08
436251	BE515065	Hs.296585	nucleolar protein (KKE/D repeat)	3.08	
446510	H58305	Hs.15165	retinoic acid induced 14	3.08	
442620	C0013B	Hs.8535	Homo sapiens mRNA for KIAA1668 protein,	3.07	
409637	AA323948	Hs.55407	Homo sapiens mRNA; cDNA DKFZp434K0521 (I	3.07	
15	426682	AV660038	Hs.2056	UDP glycosyltransferase 1 family, polype	3.07
448853	NM_012204	Hs.22302	replication transcription factor IIC, polyp	3.07	
453775	NM_002916	Hs.35120	replication factor C (activator 1) 4 (37	3.07	
408915	NM_016851	Hs.46950	hepatocellular carcinoma novel gene-3 pro	3.06	
435505	AF200492	Hs.211238	interleukin-1 homolog 1	3.06	
20	412577	Z22958	Hs.74076	CD163 antigen	3.06
410575	BE207480	Hs.6994	Homo sapiens cDNA: FLJ22044 fis, clone H	3.06	
416084	L16991	Hs.79006	deoxythymidylate kinase (thymidylate kln	3.05	
430393	BE185030	Hs.241305	estrogen-responsive B box protein	3.05	
447342	AI199268	Hs.19322	Homo sapiens, Similar to RIKEN cDNA 2010	3.04	
25	451578	NM_016323	Hs.26663	cyclin-E binding protein 1	3.04
444726	NM_006147	Hs.84981	interferon regulatory factor 6	3.04	
447733	AF157482	Hs.19400	MAD2 (mitotic arrest deficient, yeast, h	3.04	
437741	BE561610	Hs.5809	putative transmembrane protein; homolog	3.04	
442643	U82756	Hs.3991	PRP4/STKWD splicing factor	3.04	
30	429358	AB037825	Hs.200317	KIAA1404 protein	3.03
410068	A1633688	Hs.58435	FYN-binding protein (FYB-120/130)	3.03	
426746	J03628	Hs.2057	uridine monophosphate synthetase (orotid	3.03	
409154	U72882	Hs.50842	interferon-induced protein 35	3.02	
442173	N76101	Hs.8127	KIAA0144 gene product	3.02	
35	447400	AK000322	Hs.18457	hypothetical protein FLJ20315	3.01
450952	BE535647	Hs.25723	Sjogren's syndrome/scleroderma autoantig	3.01	
407634	AW016659	Hs.136414	UDP-GlcNAc:beta:Gal beta-1,3-N-acetylgluc	3.01	
411387	AW842339	Hs.130815	hypothetical protein FLJ21870	3.01	
438862	AA223599	Hs.6351	cleavage and polyadenylation specific fa	3.01	
459107	AA811881	Hs.28505	ubiquitin-conjugating enzyme E2H (homolo	3.00	
40	430287	AW182459	Hs.125759	ESTs, Weakly similar to LEU5_HUMAN LEUKE	3.00
416110	Z42262	Hs.322844	hypothetical protein DKFZp664A176	3.00	
435523	T62849	Hs.11090	membrane-spanning 4-domains, subfamily A	3.00	
448569	BE382657	Hs.21486	signal transducer and activator of trans	3.00	
410268	AA316181	Hs.61635	six transmembrane epithelial antigen of	3.00	
45	400200		NM_002788	Homo sapiens proteasome (pros	3.00
403330			Target Exon	2.99	
413833	Z15005	Hs.75573	centromere protein E (312kD)	2.99	
403416	AI744526		KIAA0564 protein	2.97	
403438			NM_031419	Homo sapiens molecule possess	2.96
50	447942	F12628	Hs.155470	hypothetical protein MGC16040	2.96
427722	AK000123	Hs.180479	hypothetical protein FLJ20118	2.95	
414806	D14694	Hs.77329	phosphatidylserine synthase 1	2.94	
440088	NM_005402	Hs.288757	viral simian leukemia virus oncogene hom	2.94	
55	429547	AW009166	Hs.99376	ESTs	2.93
419121	AA374372	Hs.89626	parathyroid hormone-like hormone	2.90	
418180	X17033	Hs.271986	integrin, alpha 2 (CD49B, alpha 2 subun	2.89	
417259	AW903838	Hs.81800	chondroitin sulfate proteoglycan 2 (vers	2.89	
418203	X54942	Hs.83758	CDC28 protein kinase 2	2.86	
60	441633	AW958544	Hs.112242	normal mucosa of esophagus specific 1	2.86
423425	AA375756	Hs.14449	KIAA1609 protein	2.86	
412851	AI826502	Hs.106149	ESTs	2.86	
400684			NM_002425	Homo sapiens matrix metallopro	2.86
454140	AB040883	Hs.41793	hypothetical protein FLJ10474	2.85	
435602	AF217515	Hs.289532	uncharacterized bone marrow protein BM03	2.85	
65	421116	T19192	Hs.101850	retinol-binding protein 1, cellular	2.84
432343	NM_002960	Hs.2961	S100 calcium-binding protein A3	2.83	
423767	H18283	Hs.132753	F-box only protein 2	2.82	
413476	U25849	Hs.75393	acid phosphatase 1, soluble	2.82	
70	441801	AW242799	Hs.86366	ESTs	2.80
441565	AW953575	Hs.303125	p53-induced protein PIGPC1	2.80	
418539	Y07909	Hs.79368	epithelial membrane protein 1	2.79	
428959	AF100779	Hs.194680	WNT1 inducible signaling pathway protein	2.79	
422947	AA306782	Hs.122552	G-2 and S-phase expressed 1	2.75	
75	417849	AW291587	Hs.82733	nitrogen 2	2.74
450434	AA166950	Hs.195870	hypothetical protein FLJ14991	2.73	
430466	AF052573	Hs.241517	polymerase (DNA directed), theta	2.72	
431448	AL137517	Hs.306201	hypothetical protein DKFZp564O1278	2.71	
424874	AA347951	Hs.328413	Homo sapiens cDNA FLJ20812 fis, clone AD	2.71	
80	453633	AA357001	Hs.34045	hypothetical protein FLJ20764	2.71
447854	AW138454	Hs.11594	ESTs	2.71	
427581	NM_014788	Hs.179703	KIAA0129 gene product	2.70	
412636	NM_004415		desmoplakin (DPI, DPL)	2.69	
	420576	AA297634	Hs.54925	KIAA1858 protein	2.68

442932	AA457211	Hs.8858	bromodomain adjacent to zinc finger doma	2.68	
425071	NM_013989	Hs.154424	deiodinase, iodothyronine, type II	2.68	
410491	AA465131	Hs.64001	Homo sapiens clone 25218 mRNA sequence	2.66	
428698	AA852773	Hs.334838	KIAA1866 protein	2.64	
5	451277	AK001123	Hs.26176	hypothetical protein FLJ10261	2.64
447347	AA570056	Hs.122730	ESTs, Moderately similar to KIAA1215 pro	2.64	
429505	AW820035	Hs.278679	a disintegrin and metalloproteinase doma	2.63	
406137			NM_000179:Homo sapiens mulS (E. coli) h	2.63	
10	419584	AA013051	Hs.91417	topoisomerase (DNA) II binding protein	2.62
443054	AT45185	Hs.8939	yes-associated protein 65 kDa	2.60	
452620	AA436604	Hs.118286	ESTs	2.59	
420552	AK000492	Hs.58806	hypothetical protein	2.59	
420931	AF044197	Hs.100431	small inducible cytokine B subfamily (C)	2.56	
15	434545	AA635690	Hs.337251	hypothetical protein MGC2487	2.56
448454	NM_005879	Hs.21254	TRAF interacting protein	2.55	
425776	U25128	Hs.159499	parathyroid hormone receptor 2	2.55	
436238	AK002163	Hs.301724	hypothetical protein FLJ11301	2.54	
440576	NM_004987	Hs.112378	LIM and senescent cell antigen-like doma	2.54	
20	425811	AL039104	Hs.159557	keryopherin alpha 2 (RAG cohort 1, Impor	2.54
429113	D28235	Hs.196384	prostaglandin-endoperoxide synthase 2 (p	2.53	
407804	AF228603	Hs.39857	pleckstrin 2 (mouse) homolog	2.53	
452679	Z42387	Hs.83883	transmembrane, prostate androgen induced	2.51	
411903	L27943	Hs.72924	cytidine deaminase	2.49	
449230	BE513348	Hs.211579	melanoma cell adhesion molecule	2.48	
25	430024	A1808780	Hs.227730	Integrin, alpha 6	2.47
458079	AT796870	Hs.54277	DNA segment on chromosome X (unique) 992	2.46	
425345	AU077297	Hs.155894	protein tyrosine phosphatase, non-recept	2.45	
423881	AK001720	Hs.134403	hypothetical protein FLJ10858	2.45	
30	407853	AA336797	Hs.40499	dictkopf (Xenopus laevis) homolog 1	2.45
457819	AA057484	Hs.35405	ESTs, Highly similar to unnamed protein	2.44	
408295	AL117452	Hs.44155	DKFZP586G1517 protein	2.42	
413048	M93221	Hs.75182	mannose receptor, C type 1	2.40	
409851			C5002154*gi|7298015|gb|AAF54217.1| [AE0	2.39	
35	433745	AF075320	Hs.28980	hypothetical protein FLJ14540	2.37
423503	M57765	Hs.1721	Interleukin 11	2.37	
427700	AA262294	Hs.180383	dual specificity phosphatase 6	2.36	
419373	NM_003244	Hs.90077	TG-interacting factor (TALE family homeo	2.32	
426287	AW067805	Hs.172665	methyltransferase/lymphotactin dehydrogenase	2.31	
40	440282	BE262386	Hs.7137	clones 23667 and 23775 zinc finger prote	2.31
406974	M57293		gb:Human parathyroid hormone-related pep	2.31	
401924			ENSP00000246632*:CDNA FLJ20261 fis, clon	2.30	
444190	A187891B	Hs.10526	cysteine and glycine-rich protein 2	2.29	
420923	AF097021	Hs.273321	differentially expressed in hematopoieti	2.29	
436608	AA828980		down syndrome critical region protein DS	2.28	
45	427509	M82505	Hs.2161	complement component 5 receptor 1 (C5a I	2.27
434398	AA121098	Hs.3838	serum-inducible kinase	2.27	
419490	NM_008144	Hs.90708	granzyme A (granzyme 1, cytotoxic T-lymp	2.28	
418030	BE207673	Hs.83321	neuromedin B	2.25	
50	404927		Target Exon	2.25	
438549	BE386801	Hs.21858	trinucleotide repeat containing 3	2.24	
409038	T97490	Hs.50002	small inducible cytokine subfamily A (C)	2.23	
411388	X72925	Hs.69752	desmocollin 1	2.21	
445757	AW449065	Hs.13264	KIAA0856 protein	2.18	
55	405069		NM_006212*:Homo sapiens 6-phosphofructo-	2.17	
414035	Y00630	Hs.75716	serine (or cysteine) proteinase Inhibito	2.16	
443168	A1036653	Hs.50500	ESTs	2.15	
444301	AK000136	Hs.10760	asporin (LRR class 1)	2.13	
433345	AI681545	Hs.152982	hypothetical protein FLJ13117	2.11	
60	426471	M22440	Hs.170009	transforming growth factor, alpha	2.10
445019	AI205540	Hs.281295	ESTs	2.08	
402021			NM_031891:Homo sapiens cadherin 20, type	2.07	
431866	NM_012098,	Hs.8025	angiopoietin-like 2	2.05	
454219	X75042	Hs.44313	v-rel avian retroviroblastosis viral	2.04	
65	409571	AA504249	Hs.187585	ESTs	2.03
450831	R37974	Hs.25255	ESTs	1.99	
408353	BE439838	Hs.44298	mitochondrial ribosomal protein S17	1.99	
445980	AI268399	Hs.140489	ESTs, Weakly similar to LIM1_HUMAN LINE-	1.98	
446356	AI120837	Hs.20993	high-glucose-regulated protein 8	1.97	
70	420732	U20158	Hs.2485	lymphocyte cytosolic protein 2 (SH2 doma	1.91
426850	BE247870	Hs.172768	MAP/microtubule affinity-regulating kina	1.90	
427335	AA448542	Hs.251677	G antigen 7B	1.90	
450649	NM_001429	Hs.25272	ESTs	1.88	
418460	M25315	Hs.85258	CD8 antigen, alpha polypeptide (p32)	1.88	
75	449523	NM_000579	Hs.54443	chemokine (C-C motif) receptor 5	1.88
416975	NM_004131	Hs.1051	granzyme B (granzyme 2, cytotoxic T-lymp	1.86	
433228	AW503733	Hs.9414	KIAA1488 protein	1.86	
413129	AF292100	Hs.104613	RP42 homolog	1.85	
432606	NM_002104	Hs.3068	granzyme K (serine protease, granzyme 3;	1.85	
80	446620	AA128808	Hs.179902	transporter-like protein	1.81
449008	AW578003	Hs.22826	tropomodulin 3 (ubiquitous)	1.79	
433160	AW207002	Hs.184342	TASP for testis-specific adrenocortical	1.78	
420802	U22376	Hs.1334	v-myb avian myeloblastosis viral oncogen	1.77	
	423482	BE280172	Hs.129228	galactokinase 2	1.77

434370	AF130988	Hs.58346	ectodysplasin 1, anhidrotic receptor	1.76
419125	AA542452	Hs.130881	B-cell CLL/lymphoma 11A (zinc finger pro	1.75
425545	N98529	Hs.158295	Homo sapiens, clone MGC12401, mRNA, com	1.74
405102			C15001220*;gi|4469558|gb|AAD21311.1| (AF	1.74
5	433201	AB040895	KIAA1463 protein	1.73
	420798	W93774	keratin 10 (epidermolytic hyperkeratosis	1.65
	437860	AA333063	Homo sapiens cDNA: FLJ23185 fs, clone L	1.62
	414961	U27266	myosin-binding protein H	1.61
10	428405	Y00762	cholinergic receptor, nicotinic, alpha p	1.61
	422170	AI791949	anti-Mullerian hormone	1.61
	431846	BE019924	uroplakin 1B	1.58
	404468		C3000442*;gi|11120696|ref|NP_068518.1| c	1.57
	405779		NM_005367;Homo sapiens melanoma antigen,	1.55
15	441129	AA074904	ESTs, Weakly similar to T18651 hypothet	1.55
	427244	AA402400	ESTs	1.52
	411411	AA345241	ESTs, Weakly similar to KIAA1330 protein	1.52
	417777	AB23763	ESTs, Weakly similar to 178885 serine/th	1.51
	418367	AA326035	hypothetical protein DKFZp434L0718	1.51
20	440340	AW895503	ESTs	1.48
	437162	AW005505	thyroid hormone receptor coactivating pr	1.47
	424750	D29958	ubiquitin specific protease B	1.46
	429469	M64590	glycine dehydrogenase (decarboxylating;	1.44
	406374		C16001364;gi|11067373|ref|NP_057689.1| C	1.43
25	430806	BE266026	Homo sapiens cDNA FLJ13872 fs, clone 1H	1.40
	404405		Target Exon	1.38
	401258		NM_030932;Homo sapiens diaphanous (Dros	1.38
	433323	AAB05132	ESTs	1.36
	427441	AA412605	SPANX family, member C	1.33
30	444707	AI188613	desmocollin 3	1.31
	409103	AF251237	XAGE-1 protein	1.27
	451106	BE362701	N-MYC oncogene	1.27
	434804	AA649530	gb:ns4405_ls1 NCL_CGAP_Alv1 Homo sapiens	1.23
	430686	NM_001942	desmoglein 1	1.21
	429325	AW068739	ESTs	1.19
35	406703	X13100	myosin, heavy polypeptide 3, skeletal mu	1.03
	418827	BE327311	HTQ21	1.01
	404104		C6001378*;gi|1171748|sp|P46530|NOTC_BRAR	1.00

TABLE 46B

40 Pkey: Unique Eco probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

45	Pkey 413808	CAT Number 2905_1	Accession AI570199 AI688812 AW867550 AI921557 AW469095 AI925581 AI679986 AW473623 BE841640 BF061525 AI445703 AI925072 AW863188 AW863076 BE841731 AW863167 BE841390 AI841385 BF374078 BE841760 BE841692 BE841769 AA335110 BE841692 BF374073 AA335204 BF374079 BE841713 AA335167 BE841584 AW888103 BE841765 BE841766 AW876336 AW887433 BF373831 BE841758 AW888911 AW863155 AW868847 BE841651 AA335145 BE841670 BF374260 BE841681 BE841728 BI335729 BE841739 BE841683 AW863104 AA335201 AA335143 BF906965 AW867493 BE841505 BF374250 BE841766 BF373837 AW863191 BE841705 AW883154 AW868673 AW867311 AA335898 BE841753 AW883407 BE837102 BF374252 BF374247 BF374255 BE841785 AW029590 AW131278 AI801021 AW058240 AW058400 AW029230 AW029432 AW130509 AW029128 AW130469 AI570155 AI620272 AW029259 AI801389 AI888662 AI826902 AI801779 AI610344 AI452852 AW131174 AI581069 AI225028 AI446689 AI923321 AI439430 AI801502 AI679707 AW028944 AI933684 AI801724 AI537779 AI354652 AI470250 AI536872 AI891151 AW868019 AW006034 AI702599 AA335192 AA335165 AI933518 AI933716 AW044393 AI886797 BE841677 BE841681 AA335141 AW008176 AA335223 AI888837 AW868622 AI803901 AW05718 AI538062 AI282258 AI580678 AI445203 AI658168 AA335144 AI926349 AA335210 AA334913 AA335163 AA335216 AI678342 BF374135 AI92922 AA335214 AA335109 AI570325 AI452619 AI926109 AI453488 AI678606 AW869289 AW869211 BE841580 AI678356 AW868822 AI678210 BE821670 AW869315 AW869318 AI678492 BE841712 AW026584 AA335200 BE841764 AW730339 AW749794 AI286344 AI464530 AI537812 AA335166 AW868051 AI579133 AI949523 BE841652 AI49532 BE937113 BE841643 AW130556 BE841761 AW888716 AW868698 BE841669 BE937108 AA335158 AA335153 AA335159 AW867404 AW868692 BE841742 AW868711 AW867546 BE841699 AA335198 AW888150 AI935146 AW888150 BE841660 T99129 BE841740 BE841714 AA335154 AW868815 BF373812 BE841657 BE841780 AI440394 AA335215 AA335202 AA335162 AA335160 AI801656 AI678499 BF374019 AW130236 AI826057 AI572459 AI932773 AA335197 AI611752 AA335224 AI452592 AA335147 AA335149 AA334928 AA335114 AA335111 AI567048 AW029395 AI570326 BF373838 BE841691 BE841776 AW863485 BF374093 AW130376 BE841732 AI465333 AI446781 AW867547 AW029012 AI335227 AW869307 AW869350 AW868709 AW869407 AW005017 AI679252 AI925523 AW171653 AW883109 AI446917 AI793620 AI921607 AW008153 AI520597 AI610820 AI678328 AI686151 AI537839 AI678547 T28534 AI282667 AA335207 AW86655 BF806963 AW131160 AI925626 AW029398 AW028445 AW008410 AW152586 AW008476 AI801040 AI453689 AI621200 AA334925 BF374069 BF374075 N53208 BF374246 AW868723 BE937150 AA955002 AW868338 AI610767	
50				
55				
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65				
70				
75				
80				

452203	2630_1	BC014081 NM_000593 X57522 L21208 L21207 L21206 L21205 L21204 AL561404 AL546423 AL560492 AL556882 AL541576 AL550654 B1823519 BI770023 AL554969 BI489905 AI304693 AW295947 BM146642 X57521 BG820143 BE898390 F06770 F12630 BM423610 AL561518 BM009470 BG74281 AA279565 AA847441 AA313737 BF172639 BF97216 BF914190 BF903647 S70277 AI569694 AW073296 AI361433 AA564644 AA487429 BE858232 AA838610 AI539114 AI719375 AI829129 BG057675 AI423422 AU158860 BE300655 AV170777 AA586956 AL571889 5 AL556850 AL576404 AL562000 BI256544 BF342301 BG875994 AA054459 AA363161 AI940434 BE818522 AL577636 AI479560 AW150377 AU164395 AW951271 AI032202 BI19778 AI346733 AW771150 AW512525 AI249904 AA279809 AI352549 AW512517 BG056280 AA521222 BE271141 AL581932 AL541575 BI19184 AW660190 AL556475 AI620020 AW089888 AW079179 Z21518 AA687601 F04651 AI783951 T57198 10 AI433367 T78862 AL554968 AA365648 AL582619 BE874601 BF04663 AL574458 BM146502 AI266514 AA538823 AI475626 AA948210 AA884054 AA487637 AA031844 AA535221 AW794256 AW351447 BE788505 AI682892 AA830988 AA862336 AA653084 BM009154 AA135727 H05927 H23433 R42244 N79997 AW366655 AW366601 AA670742 AL556474 AA135770 BE774050 BF914200 H88457 AA627746 BI560216 BI753566	
408660	105529_1	AW975281 NM_0004986 AA525775 AA056342 AL538978 X79449 BC017853 AL121035 BF196384 AW119044 AI029023 AW451110 AI971911 AW015069 AI079170 AI376367 AI284113 AA829646 AA737579	
400245	12168_1	AA449679 AA740864 NM_001111 U18121 AL567297 BG773801 BF973874 AV687104 AA527579 AA843525 BE706355 AI074589 AI523475 BE890249 AW406263 BE074258 AW729485 BF806610 Z409744 AA677244 BE179839 AA622264 AI60106 AA740411 AI499168 AI078223 15 AI682393 BE896559 AW375385 AA788739 BG984978 Z409744 T17054 F09669 AW844035 U10439 B1711870 AW245957 AU158557 AA679305 AA679316 W72510 AI346029 BG059762 AW251052 AA132373 AI925621 AI860230 AI340172 AW192891 AI070780 AI094937 AI042115 AI200901 BE328452 AA644678 AA551209 BE351065 AA970761 N66609 AW010228 AI160826 AI422774 AW873114 AW73597 AW664483 AI218710 AW020550 AW190607 AI984545 AI871921 AI333970 AI452687 AI818335 AA398655 AI554424 BE465703 AW512940 AW241366 AI293954 AA567649 AW168294 AA813181 AA912168 AI049738 AW514073 AA548255 AI569630 BE10031 AA244182 AI341697 AA563904 AI537990 AW517908 AW172943 Z39498 AI750294 AW160414 AI253293 BE825720 T31860 AW150775 D20310 AA150892 AI133933 BE781148 AI038957 BF910979 AA352297 BG988142 AW372175 AW866705 BE093482 BG99036 AI499177 AA054452 H05484 AI828502 BM467331 AU140570 AL153417 BF947202 AW391928 BE813418 BF998473 T92021 BI021048 AW048783 AW501342 AW501342 BI051549 BE939021 BE707147 BE160974 BE305207 N49011 AA947119 AA578801 BE536876 AW897428 BG329648 BG818540 BE542344 B1919250 BI253018 AW103966 BE074249 AW895428 BE034862 BE083277 BF952166	
25	414883	B371_2	AF274943 BG494894 AI171907 AA909783 AI93150 AI422691 AA910644 AA583187 BM272167 AI628996 AA527373 AW972459 AI831360 AA772418 AI0383892 AA100926 AU154749 AI459432 AI423513 AI094597 AA740817 AI991988 AI090262 AI312104 BI256707 AA459522 AA4416871 AI075239 AI339998 AA701623 AI39549 AI33680 AI633648 AI969380 AI362835 AA399239 AI146955 BE465703 AW512940 AW241366 AA459282 AI494230 BF057531 AI492600 AA62956 AW513020 AA233140 AA235549 BF108854 AA954344 N49582 AI457100 AW689407 AW300758 BE220715 BE220988 BE569091 BM009647 BF900351 AI537692 AI203723 AI857576 AA584410 AW971667 BM172363
30	414110	1634167_1	BE253764 BE250764 BE255757 BE251752 BE261925
450506	1529_1	U09278 NM_004450 U07833 AF007822 AL550894 BG203919 AL575714 AI478772 AW022687 AW613820 AI435793 AI051768 AI200109 AA436511 BG206151 AI466561 BG152561 BM495645 AW630055 BG620126 AL550932 AW471133 AU136648 BE925603 BF828688	
456B13	1515690_1	BE141577 BE141588 BE141587	
439780	490B2_1	AI109888 R23665 R25678	
35	400200	3806_1	BC005265 BG176720 AW006027 BM352054 AW026316 AI635622 AI880584 AI693769 AI092211 BI492387 AI400449 AW160297 BF939910 AA232282 AW021432 AI33893 AA494308 AA854899 AI438785 AW069256 AA682373 AI092748 AA993184 AI126077 AI081758 AI240685 AI261863 AI378423 AI465237 AI376095 AI635679 AI087306 AI481621 AI289774 AI090303 AI080668 AI28839 N330D4 AI801240 AW021546 AI370773 AI066064 AA669528 AI250053 AI870111 AA853181 AA858014 BG055562 BG939569 AW080765 AA032283 AV467587 H40506 D00762 NM_002788 AA641134 AI582295 AI417525 AI563975 AI093966 AI707743 AI280741 AW073417 BE875418 BM264076 BG876884 AI680535 AW854219 BE774635 AW642126 BG952443 AW854208 BE854208 AW854208 BE854208 BE854221 AW854221 AW854221 BE937569 BG878291 BG876450 AW819099 AI905700 AA449871 AU135228 BM78404 AW126295 AA375499 AA248473
40	412636	1438_1	M77830 NM_004415 AF139068 BG681115 BG740377 BI712964 BG000656 AA128470 BI438324 H27408 BE931630 BE167185 AW370827 AW370813 J052116 BE698885 BG740734 BG680618 BG737987 BE1765807 BM353028 AW533248 AW951576 AW951576 AW848592 BE182164 BF149266 BE840187 BI060446 BI060444 BI059833 BE720096 BE715154 BE082584 BE082576 BE004047 AA657316 BI039774 BE173818 BE713484 AW170253 BE160433 BI039775 AW868475 BM462504 BE931734 BF149264 AA340777 BF381183 BG621737 AU127260 AW364859 BF993352 BG223489 BE81909 BF81909 BE81908 BI036308 BG990973 BE715956 R587074 AA852212 AW365566 BI090358 BF087707 BE819045 BE819005 AA377127 BE073467 BE818069 BE819048 BI036308 BG990973 BE715956 R587074 AA852212 AW365566 BI090358 BF087707 BE819045 45 BE752969 BE837009 BE928526 BF149265 AW895615 BE14264 BE039782 AU140407 BE144243 BE708853 BF985842 BE001923 BF933310 AW265328 BG436319 BE182168 AW385175 AW847688 BE819280 AW177933 BE873679 AW178000 BE082626 BF476866 BF086994 BF592276 BE082907 BE082514 BE082505 BE873693 AW068840 AW847678 BE804053 AW365157 BE183930 BE002030 AW365153 BE184941 BF749421 BE184920 BF839562 BE184933 BF848424 BE931048 BF998899 BE836816 BE184924 BE184948 BE184948 BE184948 BG988845 AA131128 AA099891 W39488 C04715 BF096124 BE865341 AW799304 AL603116 BE149760 BE705967 BE705966 BE705968 AW848723 AW376659 AW376817 AW376897 BG05097 BF751115 BE865108 AW849084 AW849074 AW361413 BF927225 BF094211 AW997139 BE8655474 BE165621 BE166521 BE715059 BE713297 BE713298 AW79916 AW799303 BF872345 BF086678 BE705939 AW752599 50 BG005197 BF350086 BE715196 BE715155 BF762396 BF093817 BF831190 BF752408 BE006561 BG959922 BF094833 BF094748 BF094583 AW377699 AW807230 BE082519 BF834967 AI190590 AI554403 AI392926 AI158477 BE1467252 AI158919 AI1760816 BE082516 AI439101 AA451023 AI430326 AI580975 BI791530 AI700963 AI428224 AA039975 AA946938 BM146844 AA702424 AI417612 AW190555 AI220573 AI304772 AI270345 AI527383 AA552300 AI911702 AW166807 AI346078 W95070 AA149191 AA026864 AI830049 AW780435 AI078449 AI819984 AI858282 AI468588 AI860584 AI025932 AAC26047 AA703232 AA658154 AI515500 AW192085 AA918281 T77861 AI027207 AI205263 BF082491 AW021347 AI568096 BE938962 AA088866 D12082 AA056527 AA782109 W19287 BE02156 AW150038 AA022701 T87181 H44405 AI910434 BF082513 AI940631 AI270027 AI635878 AI128330 BG681426 BE706078 F20904 BEG680069 BG76647 BF764409 AA026854 AV745530 BE762796 BG287391 AW798708 BE706045 BE256470 AW799118 BF087995 BE002273 AW879451 AI571075 BE067788 AW721320 AI022882 N29754 CO3378 AI84767 BE174017 H301476 BE174017 AI686869 AI686882 AI915508 AW105514 AI887258 AI538577 BE926474 BE057737 BG319466 AA247685 AW798883 AW103521 BF990173 AW808078 BE939707 BE178570 BE174064 BE713903 BE713888 BE173763 BG950164 BE713810 AW365151 BG955489 BE062727 BF915937 AW365148 AI905927 BF992790 AW853812 BG954443 BE770833 BG679406 BE740832 BE681087 BG688430 AA458100 T87257 BE895208 BE696210 BI089483 BE006273 BE72225 AW391912 BE925515 BG677012 BG741970 AA026480 BE705999 BG677157 BE009090 BE831378 BE712291 BG961493 BG678984 BI049411 AA337270 AW384371 AW847442 70 436608 436608 32229_2 BC015981 AI301615 AA828980 AI126603 BF184719

TABLE 46C

75	Pkey:	Unique number corresponding to an Eos probeset
	Ref:	Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) <i>Nature</i> 402:489-495.
	Strand:	Indicates DNA strand from which exons were predicted.
	NT_position:	Indicates nucleotide positions of predicted exons.

Pkey	Ref	Strand	NT_position
401781	7249190	Minus	83215-83435,83531-83656,83740-83901,84243

401780	7249190	Minus	28397-28617,28920-29045,29135-29296,2941	
400665	8118496	Plus	17982-18115,20297-20456	
401785	7249190	Minus	165776-165996,166189-166314,166408-16656	
401747	9789672	Minus	118596-118816,119119-119244,119509-11976	
5	400665	8118496	Plus	16679-17023
	402994	2996643	Minus	4727-4969
	402075	8117407	Plus	121907-122035,122804-122921,124019-12416
	405770	2735037	Plus	61057-62075
10	401994	4153858	Minus	42904-43124,43211-43336,44607-44763,4519
	404996	6007890	Plus	37999-38145,38652-38998,39727-39872,4055
	404240	5002624	Minus	116132-116407,116653-116922
	402447	9796840	Plus	47605-47729,51696-51821,52070-52257,5330
	402392	7767907	Minus	42137-42515
	402408	9796239	Minus	110326-110491
15	404286	2326514	Plus	51086-51301
	405387	8587915	Minus	3769-3833,5708-5895
	404287	2326514	Plus	53134-53281
	402995	2996643	Minus	5962-6216
20	405545	1054740	Plus	118677-118807,119091-119296,121626-12182
	401797	6730720	Plus	6973-7118
	402294	2282012	Minus	2575-3000
	401961	4581193	Minus	124054-124209
	404440	7528051	Plus	80430-81581
25	405386	6579238	Minus	40959-41297
	404171	9930793	Plus	173667-173783,176878-177056
	405778	7280331	Plus	18748-19757
	406400	9256298	Plus	1553-1712,1878-2140,4252-4385,5922-6077
	401176	9438469	Minus	20475-20734
30	404170	8930793	Plus	168836-169248

TABLE 47A:

35	Pkey	Unique Eos probeset identifier number	ExAccn:	Exemplar Accession number, Genbank accession number	UnigeneID:	Unigene number	Unigene Title:	Unigene gene title	R1:	Maximum of esophageal tumor AIs divided by the 98th percentile of the normal esophagus AIs
40	400289	X07820	Hs.2258	matrix metalloproteinase 10 (stromelysin					31.70	
45	411243	AB039886	Hs.69319	CA11					30.12	
	418007	M13509	Hs.83169	matrix metalloproteinase 1 (interstitial					18.46	
	444325	AW152618	Hs.16757	ESTs					18.22	
	444381	EE387335	Hs.283713	ESTs, Weakly similar to S64054 hypothetical					17.52	
50	421379	Y15221	Hs.103982	small inducible cytokine subfamily B (Cy					16.28	
	400666			NM_002425;Homo sapiens matrix metallopro					15.59	
	425211	M18667	Hs.1867	progastricsin (pepsinogen C)					15.22	
	425679	X06997	Hs.159177	lipase, gastrin					14.60	
	432239	X81334	Hs.2936	matrix metalloproteinase 13 (collagenase					13.14	
	431723	AW058350	Hs.16782	Homo sapiens mRNA; cDNA DKFZp564B2052 (f					12.60	
55	446619	AU076643	Hs.313	secreted phosphoprotein 1 (osteonopin,					12.00	
	453331	A1240565		ESTs					11.20	
	431620	AA126109	Hs.264981	Z-5'-digoadenylate synthetase 2 (69-71					10.77	
	408380	AF123050	Hs.44532	cluBiquitin					10.32	
	423673	BE093054	Hs.1695	matrix metalloproteinase 12 (macrophage					10.32	
60	412326	R07566	Hs.73817	small inducible cytokine A3 (homologous					10.22	
	419216	AU076718	Hs.164021	small inducible cytokine subfamily B (Cy					10.18	
	408243	Y0787	Hs.624	Interleukin 8					9.80	
	414359	M62194	Hs.75929	cadherin 11, type 2, OB-cadherin (osteob					9.75	
	450375	AA009547		α disintegrin and metalloproteinase doma					9.12	
65	407366	AF026942	Hs.17518	gb1:Homo sapiens clg33 mRNA, partial sequ					8.88	
	433447	U29195	Hs.3281	neuronal pentraxin II					8.64	
	421508	NM_004833	Hs.105115	absent in melanoma 2					8.48	
	452862	AW378065	Hs.8687	ESTs					8.34	
	432828	AB042236	Hs.287402	chondroitin 4-sulfotransfase					7.92	
	452281	T93500	Hs.28792	Homo sapiens cDNA FLJ11041 fis, clone PL					7.86	
70	409757	NM_001898	Hs.123114	cytstatin SN					7.82	
	452838	U65011	Hs.30743	preferentially expressed antigen in mela					7.60	
	413670	AB000115	Hs.75470	hypothetical protein, expressed in osteo					7.58	
	452410	AL133619		Homo sapiens mRNA; cDNA DKFZp564E2321 (f					7.46	
75	437330	AL353944	Hs.50115	Homo sapiens mRNA; cDNA DKFZp761J1112 (f					7.44	
	406687	M31126		matrix metalloproteinase 11 (stromelysin					7.24	
	430280	AA361258	Hs.237868	interleukin 7 receptor					7.18	
	439343	AF086161	Hs.114611	hypothetical protein FLJ11808					7.13	
	429228	A1553633	Hs.326447	ESTs					7.04	
	421110	AJ250717	Hs.1355	cathepsin E					6.98	
80	414004	AA737033	Hs.7155	ESTs, Moderately similar to 2115357A TYK					6.88	
	424321	W74048	Hs.1765	lymphocyte-specific protein tyrosine kin					6.88	
	406673	M34996	Hs.198253	major histocompatibility complex, class					6.72	
	421582	A1910275		trefoil factor 1 (breast cancer, estroge					6.52	

5	447164	AF028941	Hs.17518	Homo sapiens c1g5 mRNA, partial sequence	6.40
	409403	AA668224	Hs.6634	Homo sapiens cDNA: FLJ22547 fs, clone H	6.32
	439926	AW014875	Hs.137007	ESTs	6.32
	418460	M26315	Hs.85258	CD8 antigen, alpha polypeptide (p32)	6.12
	411298	BE207307	Hs.10114	growth suppressor 1	6.03
	426312	AF026939	Hs.181874	interferon-induced protein with tetrastr	5.86
	413441	AI929374	Hs.75367	Src-like-adapter	5.86
	427337	Z46223	Hs.176663	Fc fragment of IgG, low affinity IIb, r	5.81
10	417715	AW969587	Hs.86366	ESTs	5.76
	413808	J00287		Homo sapiens mRNA for caldesmon, 3' UTR	5.63
	400565			002425:Homo sapiens matrix metallopro	5.60
	424408	AI754813	Hs.146428	collagen, type V, alpha 1	5.53
	416299	AA279530	Hs.83968	integrin, beta 2 (antigen CD18 (p95), ly	5.44
15	444527	NM_005408	Hs.11383	small inducible cytokine subfamily A (Cy	5.42
	428368	BE440042	Hs.83326	matrix metalloproteinase 3 (stromelysin	5.40
	416768	AA363733	Hs.1032	regenerating islet-derived 1 alpha (panc	5.38
	430413	AW842182	Hs.241392	small inducible cytokine A5 (RANTES)	5.08
	427509	M62505	Hs.2161	complement component 5 receptor 1 (C5a)	5.06
20	422530	AW972300	Hs.118110	bone marrow stromal cell antigen 2	5.04
	413278	BE563085	Hs.833	interferon-stimulated protein, 15 kDa	4.92
	436856	AI469355	Hs.127310	ESTs	4.80
	425711	AA383471	Hs.343800	conserved gene amplified in osteosarcoma	4.60
	421362	AK000050	Hs.103853	hypothetical protein FLJ20043	4.53
	452401	NM_007115	Hs.29352	tumor necrosis factor, alpha-induced pro	4.48
25	404240			NM_018950:Homo sapiens major histocompat	4.36
	435523	T62849	Hs.11090	membrane-spanning 4-domains, subfamily A	4.34
	437763	AA465369	Hs.5831	tissue inhibitor of metalloproteinase 1	4.29
	425139	AW830488	Hs.25338	prolease, serine, 23	4.24
30	415989	AI267700		ESTs	4.20
	408202	AA227710	Hs.43658	DKFZP586L151 protein	4.11
	450701	H39960	Hs.288467	hypothetical protein XP_098151	4.06
	423271	W47225	Hs.126258	interleukin 1, beta	4.02
	414774	X02419	Hs.77274	plasminogen activator, urokinase	3.98
35	443907	AU076484	Hs.9963	TYRO protein tyrosine kinase binding pro	3.98
	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	3.86
	444006	BE395085	Hs.10086	type I transmembrane protein Fn14	3.86
	414915	NM_002462	Hs.78391	myxovirus (influenza) resistance 1, homo	3.76
	408122	A1432852	Hs.42824	hypothetical protein FLJ10718	3.49
40	408049	AW076098	Hs.345588	desmoplakin (DPI, DPII)	3.44
	431629	AU077025	Hs.265827	interferon, alpha-inducible protein (clo	3.37
	435370	A1964074	Hs.225838	ESTs	3.29
	443378	AW392550	Hs.9280	proteasome (prosome, macropain) subunit,	3.19
	443071	AL080021	Hs.8986	complement component 1, q subcomponent,	3.18
45	409154	U72882	Hs.50842	Interferon-induced protein 35	3.13
	445417	AK001058	Hs.12680	Homo sapiens cDNA FLJ10196 fs, clone HE	3.12
	413142	M81740	Hs.75212	ornithine decarboxylase 1	3.00
	406645	M33600	Hs.308026	major histocompatibility complex, class	2.78
	402992			Target_Exon	2.57
50	452304	AA025386	Hs.61311	ESTs, Weakly similar to S10590 cysteine	2.54
	418245	AA088767	Hs.83983	transmembrane, prostate antigen induced	2.52
	413945	NM_000591	Hs.75627	CD14 antigen	2.51
	423225	AA852604	Hs.126359	Thy-1 cell surface antigen	2.50
	443863	AA114212	Hs.9930	serine (or cysteine) proteinase inhibitor	2.48
55	415149	X12451	Hs.78058	cathepsin L	2.47
	426247	NM_005940	Hs.155324	matrix metalloproteinase 11 (stromelysin	2.46
	410422	AL020410	Hs.63348	Homo sapiens, clone MGC:15203, mRNA, com	2.45
	413936	AF113676	Hs.297681	serine (or cysteine) proteinase inhibitor	2.45
	409202	AA236681	Hs.51043	hexosaminidase B (beta polypeptide)	2.39
60	422562	A1952050	Hs.118397	AT5-binding protein 1	2.35
	443639	BE269042	Hs.9661	proteasome (prosome, macropain) subunit,	2.28
	444652	BE513613	Hs.11538	actin related protein 2/3 complex, subunit	2.18
	412471	M63193	Hs.73948	endothelial cell growth factor 1 (platelet	2.19
	449177	AB040935	Hs.23954	cerebral cell adhesion molecule	2.03
65	417389	BE250964	Hs.82045	midline (neurotis growth-promoting factor	2.03
	428881	BE313077	Hs.93135	ESTs, Weakly similar to ALU2_HUMAN ALU S	1.83
	445109	AF039916	Hs.12330	ectonucleoside triphosphate diphosphoryl	1.79
	406778	H06273	Hs.101651	Homo sapiens mRNA; cDNA DKFZp4A34C107 (tr	1.70
	408716	AI567839	Hs.151714	Homo sapiens mRNA for KIAA1769 protein,	1.69
70	412773	H15785	Hs.74573	similar to vaccinia virus HindII K4L OR	1.66
	414024	AA134712	Hs.22410	gb2zm79g08.r1 8takagene neuroepithelium	1.65
	426830	U24578	Hs.278825	complement component 4A	1.58
	414945	BE075358	Hs.77567	lymphocyte antigen 6 complex, locus E	1.52

75

TABLE 47B

Key: Unique Eos probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

80

Key	CAT Number	Accession
453331	16559_1	BC571303 AA410586 AA035018 BG572117 BG620022 AA147247 BG005785 BG014448 R31981 H02668 H12498 R36203 BF992089 R73999 T49904 R75732 BI057974 T53681 AA147933 NS0695 R68588 R25671 R31935 R25110 R36105 AK055628 BE157467 AW663674 AA190993

			H01642 BF510304 AA626915 AA746952 AI161014 AA099554 BG572534 AI80329 AI809932 AI808765 AA411449 AI378760 AA976929 AI378620 AA909684 R75632 AI360919 AI350463 AW059127 AA411621 AA742532 H12451 BE208298 H03612 H12839 N58781 R75957 BF595484 AI240665 BF889591 BI056086 BG001590 BF107035
5	450375	16559_3	BF570706 BG572749 AW606284 H04021 AA151165 AW954405 AA131254 BG056461 W46291 H01532 H04384 H03231 AA852876 H04410
	452410	59661_1	AL133619 AI435410 AA622747 AW272464 AI211594 AI573758 AI476447 AI804128 AI581345 AI026826 AI300820 AW513621 AA256162 AI559724 AI493388 AA614641 AI125754 AI214351 AI567080 AI200813 AI476629 AI685732 AA602400 AA730140 AI565082 AI269503 AI807095 AA905453 AA505939 AI204595 AI582930 AI686077 AI757863 AA730154 AA664048 BI831663 AI734138 AI734130 AI732734 AW043563 AI741241 AI732741 BF111446 BE677727 AA437369 AA426284 AA433997 AA425820
10	406687	0_0	M31126
	421582	13358_1	X00474 NM_003225 X52003 M12075 BI765761 AW850155 AI571948 BI760569 AA80400 AA568312 BI761055 AA507595 AA614579 AA614409 BF747698 BM142326 AA307578 AI925552 AA578574 AA582084 AW009769 AA514776 AA588034 BG271505 AA85276 BM142503 AW50700 AI307407 AI202532 AA624242 AI909772 AI970839 BG238516 AW750216 AA587613 AI909749 AI909751 AI910083 AA614539 R55292 AA507418 AI570199 AI888812 AW867550 AI921557 AW473623 BE841640 BF061525 AI45703 AI925072 AW853188 AW863076 BE841731 AW863167 BE841390 BE841365 BF374078 BE841760 BE841694 BE841769 AA335110 BE841692 BF374073 AA335204 BF374079 BE841713 AA335167 BE841584 AW868103 BE841645 BE841765 AI076336 AW867433 BF373831 BE841758 AW868911 AW863155 AW868847 BE841651 AA335145 BE841670 BF374260 BF374088 BE841661 BE841728 BI335729 BE841739 AW868103 AA335104 AA335201 AA335143 BF906965 AW8687493 BE841505 BF374250 BE841766 BF373837 AW863191 BE841705 AW863154 AW868673 AW807311 AA335095 BE841753 AW863407 BE937102 BF374252 BF374247 BF374255 BE841786 AW029580 AW131278 AI601021 AW05241 AW05240 AW052400 AW029230 AW029432 AW130509 AW029128 AW130468 AI570155 AI620272 AW029295 AI801389 AI688652 AI926902 AI801799 AI610344 AI452852 AW131174 AI581059 AI225028 BE841689 AI923321 AI49340 AI801502 AI679707 AW028944 AI933684 AI801724 AI537779 AI354652 AI072050 AI536872 AI891151 AW868019 AW006034 AI702599 AA335192 AA335165 AA335189 AI93723 AW044393 AI888797 BE841677 BE841681 AA335141 AW008176 AA335223 AA888837 AW868622 AI803901 AW006718 AI538062 AI282268 AI580678 AI445903 AH45394 AH868168 AA335144 AI926349 AA335210 AA334919 AA335168 AA335216 AI678342 BF374135 AI932922 AA335214 AA335109 AI570325 AI452619 AI926109 AI453488 AI678608 AW869289 AW869211 BE841580 AI679368 AI888882 AI926170 BF508305 AW869315 AA334926 BE841712 AW026584 AA335200 BE841764 AV730339 AW474979 AI286344 AI446430 AI537612 AA335166 AW868051 AI679133 AI949620 BE841652 AI949532 BE937113 BE841789 BE841643 AW130556 BE841761 AW867616 AW868659 BE841669 AI937108 AA335158 AA335153 AA335155 AA335158 AW868892 BE841742 AW868711 AW867546 BE841699 AA335198 AA335146 AW868150 BE841660 T99129 BE841740 BE841714 AA335154 AW868815 BF373812 BE841657 BE841780 AI440394 AA335215 AA335202 AA335162 AA335160 AI801656 AI578499 BF374019 AW130238 AI826057 AI572458 AI332773 AI811752 AA335224 AI452592 AA335147 AA334928 AA335111 AA335111 AI567048 AW029395 AI570326 BF373838 BE841691 BE841776 AW868485 BF374093 AW130376 BE841732 AI446393 AI446781 AW867547 AW029012 AA335227 AW8689307 AW8689350 AW868709 AW869407 AW005017 AI679252 AI925523 AW151553 AW863109 AI45917 AI799520 AI921607 AW008153 AI520957 AI610620 AI679382 AI8888151 AI637839 AI679547 T28354 AI282557 AA335207 R83655 BF806963 AW131160 AI925626 AW029398 AW028445 AW028410 AW162509 AW008476 AI801040 AI453669 AI621200 AA334925 BF374069 BF374075 N53208 BF374246 AW8688723 BE937150 AI955002 AW863338 BE841767 BC013389 BC017398 AI023543 AA191424 AI267700 AI469633 AW958465 AW953397 AA172056 BE940298 BF909208 BF909980 BF095153 BG285837 AI720344 BF541715 AA355086 AA172236
20			
25			
30			
35	415989	10194_1	

TABLE 47C

40	Pkey:	Unique number corresponding to an Eos probeset		
	Ref:	Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1998) <i>Nature</i> 402:489-495.		
	Strand:	Indicates DNA strand from which exons were predicted.		
	NT_position:	Indicates nucleotide positions of predicted exons.		
45	Pkey	Ref	Strand	NT_position
	400666	8118496	Plus	17982-18115,20297-20456
	400665	8118496	Plus	16879-17023
	404240	5002524	Minus	116132-116407,116653-116922
50	402992	7757907	Minus	42137-42515

TABLE 48A:

55	Pkey:	Unique Eos probeset identifier number			
	ExAccn:	Exemplar Accession number, Genbank accession number			
	UnigeneID:	Unigene number			
	Unigene Title:	Unigene gene title			
60	R1:	90th percentile of normal esophagus AIs divided by the 90th percentile of esophageal tumor AIs			
	Pkey	ExAccn	UnigeneID	Unigene Title	R1
	407245	X90588	Hs.172004	titin	37.43
	426752	X69490	Hs.172004	titin	30.23
	425545	N98529	Hs.158295	Homo sapiens, clone MGC:12401, mRNA, com	23.69
65	407013	U36637		gb:Human nebulin mRNA, partial cds	17.09
	400440	X83957	Hs.83870	nebulin	15.56
	405704	M21665	Hs.929	myosin, heavy polypeptide 7, cardiac mus	14.21
	428087	AA100573	Hs.182421	troponin C2, fast	13.03
70	417070	Z19077	Hs.172004	titin	13.02
	406707	S73840	Hs.931	myosin, heavy polypeptide 2, skeletal mu	12.61
	405001	U58196		interleukin enhancer binding factor 1	12.53
	418391	NM_003281	Hs.84673	troponin I, skeletal, slow	12.46
	418205	L21715	Hs.83760	troponin I, skeletal, fast	12.40
75	422633	X66832	Hs.118804	enolase 3, (beta, muscle)	12.21
	400499		C10001858	g16679124|ref|NP_032759.1|	11.99
	418390	AF133820	Hs.84665	titin immunoglobulin domain protein (myo	10.53
	412519	AA196241	Hs.73980	troponin T1, skeletal, slow	10.21
	417435	NM_005181	Hs.82129	carbonic anhydrase III, muscle specific	10.14
	413778	AA090235	Hs.75535	myosin, light polypeptide 2, regulatory,	10.13
80	408493	BE205854	Hs.46039	phosphoglycerate mutase 2 (muscle)	10.00
	416373	AA195845	Hs.73680	ESTs, Weakly similar to S12558 cysteine-	9.65
	415672	N53097	Hs.193579	ESTs	9.57
	409086	AA194412	Hs.50550	sarcomeric muscle protein	9.48

431360	NM_000427	Hs.251680	loricrin	9.42	
416982	J05401	Hs.80691	creatine kinase, mitochondrial 2 (sarcom	9.20	
426429	X73114	Hs.169849	myosin-binding protein C, slow-type	9.15	
422069	AJ010063	Hs.343503	titin-cap (telethonin)	8.96	
5	409028	AB014513	Hs.49998	Z-band alternatively spliced PDZ-motif	8.64
	437205	AW975934	Hs.263382	ESTs, Weakly similar to 138344 titin, ca	8.48
	421295	NM_002566	Hs.103253	perilipin	8.47
	412129	M21984	Hs.73454	tropomodulin T3, skeletal, fast	8.39
10	434352	AF129505	Hs.86492	small muscle protein, X-linked	8.28
	418026	BE379727	Hs.83213	fatty acid binding protein 4, adipocyte	7.93
	408891	AF015224	Hs.46452	mannaglobin 1	7.88
	435124	AA725362	Hs.120456	ESTs	7.76
	430681	AW869675	Hs.291232	ESTs	7.70
	454229	AW957744	Hs.278469	tearfilm proline rich protein	7.68
15	424734	AI217685	Hs.96844	ESTs	7.58
	428221	U96781	Hs.183075	ATPase, Ca transporting, cardiac muscle,	7.57
	431204	F28841	Hs.250760	cytochrome c oxidase subunit Vla polypep	7.41
	443727	Z253B9	Hs.18459	ESTs	7.21
20	408753	AI337192	Hs.47438	SH3 domain binding glutamic acid-rich pr	7.04
	413132	NM_006823	Hs.75209	protein kinase (cAMP-dependent, catalyti	6.98
	424485	AI685069	Hs.272556	peptidylarginine deiminase type I	6.93
	403805			Target Exon	6.87
	429997	NM_006789	Hs.227457	apolipoprotein B mRNA editing enzyme, ca	6.72
	418532	FD0797	Hs.85844	neurotrophic tyrosine kinase, receptor,	6.70
25	419711	C02621	Hs.159262	ESTs	6.70
	422840	M37984	Hs.118845	troponin C, slow	6.68
	433839	F35430	Hs.146070	ESTs, Weakly similar to ALU1_HUMAN ALU S	6.65
	405703	X13100	Hs.173094	myosin, heavy polypeptide 3, skeletal mu	6.34
30	451821	AB79148	Hs.26770	fatty acid binding protein 7, brain	6.27
	446952	AI351421	Hs.279709	muscle specific ring finger protein 1	6.20
	411102	AA401295	Hs.23926	bladin	6.17
	411852	AA526140	Hs.107515	ESTs, Weakly similar to T00329 hypothet	6.15
	454059	NM_003154	Hs.37048	statherin	5.95
35	451957	AI796320	Hs.10299	Homo sapiens cDNA FLJ13545 fis, clone PL	5.85
	434360	AW015415	Hs.127780	ESTs	5.87
	420813	X61501	Hs.99949	prolactin-induced protein	5.52
	417376	AA253314	Hs.154103	LIM protein (similar to rat protein kina	5.46
	424688	AA216287	Hs.1815	myoefin, light polypeptide 3, alkali; van	5.42
40	446523	NM_003063	Hs.334629	sarcophilin	5.41
	402270			Target Exon	5.25
	437845	AA773868	Hs.244569	esophagus cancer-related gene-2	5.24
	424982	U94777	Hs.76780	phosphorylase, glycogen; muscle (McArdle	5.17
45	414857	AA242074	Hs.172004	protein phosphatase 1, regulatory (Inhib	5.14
	410621	AA194329	Hs.172004	titin	5.10
	429134	AA446953	Hs.99004	ESTs	5.06
	436519	AI278124	Hs.238756	myozin	5.04
	447023	AA356764	Hs.17109	integral membrane protein 2A	5.03
	427639	AW444530	Hs.105382	Homo sapiens, clone MGC:18257, mRNA, com	5.02
50	428451	A1908165	Hs.169946	GATA-binding protein 3 (T-cell receptor	5.00
	433635	A1074502	Hs.134292	hypothetical protein MGC12921	4.98
	429892	NM_003803	Hs.2504	myomesin 1 (skeletin) (185kD)	4.96
	411021	FD00055	Hs.172004	titin	4.95
	416349	X69089	Hs.79227	myomesin (M-protein) 2 (185kD)	4.93
55	424897	D63216	Hs.153684	frizzled-related protein	4.92
	406741	AA058357	Hs.74466	carcinoembryonic antigen-related cell ad	4.92
	428824	W23624	Hs.173059	ESTs	4.78
	416892	AK000268	Hs.87383	hypothetical protein	4.74
	448406	AW772208	Hs.21103	Homo sapiens mRNA; cDNA DKFZp564B076 (fr	4.73
60	432306	Y18207	Hs.303090	protein phosphatase 1, regulatory (Inhib	4.66
	424049	AB014524	Hs.138380	KAA0624 protein	4.65
	438509	AW971945	Hs.293236	ESTs	4.65
	433122	AB019391	Hs.58049	ESTs	4.62
	415447	Z97171	Hs.78454	myocilin, trabecular meshwork inducible	4.59
65	415655	W05433		ESTs	4.59
	442376	W95588	Hs.129982	Homo sapiens cDNA FLJ12228 fis, clone MA	4.58
	452308	AI167580	Hs.81297	ESTs	4.57
	418072	F35210	Hs.86507	Human DNA sequence from clone RP3-353C17	4.56
	429413	NM_014058	Hs.201877	DESC1 protein	4.53
70	423725	AJ403108	Hs.132127	hypothetical protein LOC57822	4.53
	438704	AI435060	Hs.32825	ESTs	4.50
	413391	AI223328	Hs.75335	glycine amidinotransferase (L-arginine: g	4.49
	430698	AW565847	Hs.292718	ESTs, Weakly similar to RET2_HUMAN RETIN	4.48
	419050	NM_000036	Hs.89570	adenosine monophosphate deaminase 1 (iso	4.46
	422313	AF045941	Hs.115166	scellin	4.43
75	417045	F01180	Hs.332030	Homo sapiens ORF1	4.41
	426158	NM_001982	Hs.199087	v-erb-b2 avian erythroblastic leukaemia v	4.39
	435101	AI743156	Hs.131064	ESTs	4.37
	432408	N39127		ESTs, Weakly similar to A46010 X-linked	4.35
	439708	AW872527	Hs.59781	ESTs, Weakly similar to DAP1_HUMAN DEATH	4.35
80	429930	AI580809	Hs.99569	ESTs	4.30
	429624	AA458648	Hs.99476	ESTs, Weakly similar to 1313184B alpha1	4.26
	429454	AL039940	Hs.202949	KIAA1102 protein	4.20
	411000	N40449	Hs.201619	ESTs, Weakly similar to S38383 SEB4B pro	4.11

429852	AB010445	Hs.225948	small inducible cytokine subfamily A (Cytokine)	3.99	
428560	AI243209	Hs.98669	ESTs, Weakly similar to B47411 ADPribosyl transferase	3.95	
438328	A492651	Hs.32450	ESTs	3.84	
5	451917	AW391351	Hs.50820	Homo sapiens unknown mRNA	3.84
	453876	AW021748	Hs.110406	ESTs, Weakly similar to I38022 hypothetical protein	3.83
	414807	A1738616	Hs.77348	hydroxyprostaglandin dehydrogenase 15-[N	3.82
	430171	AF086289	Hs.234766	skin-specific protein	3.80
	422287	F16365	Hs.114346	cytochrome c oxidase subunit VIIa polypeptide	3.75
10	446082	AI274139	Hs.156452	ESTs	3.74
	449003	X76342	Hs.389	alcohol dehydrogenase 7 (class IV), mu o	3.70
	431205	AA194580	Hs.250763	tropomodulin 4 (muscle)	3.68
	432655	AI916207	Hs.9167	SH3 domain binding glutamic acid-rich protein	3.68
	424747	AA346241	Hs.231887	EST	3.67
	410223	ST3775	Hs.60708	calsequestrin 1 (fast-twitch, skeletal muscle)	3.63
15	423024	AA593731	Hs.325823	ESTs, Moderately similar to ALU5_HUMAN A	3.62
	453817	AW755253	Hs.61920	ESTs	3.57
	416431	AW384459	Hs.172004	titin	3.52
	425971	AF135024	Hs.165296	kalikrein 13	3.49
20	412452	AA215731	Hs.79265	suppression of tumorigenicity 5	3.48
	421512	AB007923	Hs.265848	myomegalin	3.41
	413922	AI535895	Hs.221024	ESTs	3.37
	419648	T73651	Hs.91877	thyroid hormone responsive SPOT14 (ret)	3.36
	418067	AI127958	Hs.83393	cystathione E/M	3.32
25	426665	AL080190	Hs.189242	Homo sapiens mRNA; cDNA DKFZp434A202 [fr	3.29
	451681	Z28564	Hs.255950	ESTs, Weakly similar to AA64_HUMAN 64 KD	3.26
	420197	AW139647	Hs.98134	ESTs, Weakly similar to A57291 cytolysin	3.23
	425869	AA524547	Hs.160318	FXYD domain-containing ion transport reg	3.21
	404270			NM_006081:Homo sapiens specific granule	3.21
30	409169	F00991	Hs.50889	clone PWHL.C2-24) myosin light chain 2	3.17
	426350	NM_003245	Hs.2022	transglutaminase 3 (E polypeptide, prote	3.13
	452023	AB032999	Hs.27566	KIAA173 protein	3.08
	417713	D42047	Hs.82432	KIAA0089 protein	2.99
	435538	AB011540	Hs.4930	low density lipoprotein receptor-related	2.97
	450300	AL041440	Hs.56210	ESTs, Highly similar to ITIH4_HUMAN INTER	2.97
35	451814	AA647952	Hs.137003	ESTs	2.83
	452360	AI742082	Hs.98539	ESTs	2.67
	431938	AA938471	Hs.54431	specific granule protein (28 kDa); cyste	2.57
	408014	AW872927	Hs.293968	ESTs	2.57
	444329	W73753	Hs.209637	hypothetical protein FLJ12921	2.54
40	439652	W67826	Hs.55412	ESTs, Weakly similar to KIC1_HUMAN KERAT	2.50
	432191	AA043193	Hs.273186	hypothetical protein, clone Telethon[ta	2.33
	425655	AF135025	Hs.159679	kalikrein 12	2.32
	430560	Z28942	Hs.243960	N-myc downstream-regulated gene 2	2.28
	410677	NM_003278	Hs.65424	tetraectin (plasmogen-binding protein	2.25
45	411388	X72925	Hs.69752	desmoculin 1	2.25
	425721	AC002115	Hs.159309	uroplakin 1A	2.12
	430520	NM_016190	Hs.242057	chromosome 1 open reading frame 10	2.10
	429441	AJ224172	Hs.204056	lipophilin B (uteroglobin family member)	2.02
	417405	W26657	Hs.5307	ESTs	2.01
	434560	R13052	Hs.3984	Homo sapiens clone 24877 mRNA sequence	1.95
	417074	Z49878	Hs.81131	guanidinoacetate N-methyltransferase	1.79
	430513	AJ012008	Hs.241586	G6C protein	1.68
	454478	AW805749	Hs.318885	superoxide dismutase 2, mitochondrial	1.68
50	416559	A1039195	Hs.128060	ESTs	1.66
	447205	BE617015	Hs.11006	ESTs, Moderately similar to T17372 plasm	1.64
	416780	U75398	Hs.78846	heat shock 27kD protein 2	1.55
	409702	AI762244		eukaryotic translation elongation factor	1.50

60 TABLE 48B

Pkey:	Unique Eas probeset identifier number		
CAT number:	Gene cluster number		
Accession:	Genbank accession numbers		
65	Pkey	CAT Number	Accession
	407013	2073_7	U35637 AA192323 AA194508 BG011583 F25712 AL596820 BE165376
	424982	25362_1	AK057547 BG181248 AA883756 F26670 AA778128 F27657 F16914 F25171 AA178844 F21556 F25872 F20457 F27617 F38059 F34817 F26957
70			F25922 F31278 F34666 F01176 F36333 F01226 F27405 F27130 F28742 F24126 F28891 AA195955 AA086361 W69291 F25880 F32791 F31311
			F32380 F25216 F19679 F18856 F29700 F24954 F32741 F30404 F35470 F33989 F33141 F36392 F34118 F17714 AA176345 F24700 AA550940
			F18617 F16859 F15633 F34575 F16526 F17281 AA086388 F30859 F21852 C02644 F29425 F25286 C03553 F35259 W80691 F16457 F24094
			F18783 AA180319 F28443 F17763 F17448 F00542 AA197179 AA193012
	415555	16499_1	AJ276240 N70563 F37502 F29200 F27903 F18577 F19683 F20867 Z28857 F30994 F31752 F17375 F15601 F17543 F17411
	432408	2061_18	AV724258 AA247153 BF736219 BF513744 AW058048 AI082691 AA865520 N39127 AV724549 F20776 AA249747 AW970392 AA535433 F36964
75	409702	38388_1	F33894
			AK056951 AK026458 B1439120 BM021108 F30243 BM055214 BM054962 BM069667 F37401 AA563621 A1752243 A1720773 A1933014 F18954
			F35317 F35258 F27772 H39537 AW445222 F19408 H28557 F30608 F31797 F30950 BF637737 BF837688 AL551046 BI758668 BI765038 BI837440
			BE392882 BI438801 AI093511 A1752244 A1784111 BG490221 BF338840 BF338974 BG896472 AL576843 AW966769 F25388 F37436 H28558
			AI025548 AA782333 F30929 F36002 F21229 A1720539 AA719449 F21231 F16924 AA626886 F30774 F27704 F31411 F31127 F33381 F36153
			F31793 F31138 F31968 F33901 AA298244 B1757347 A1810201 A1692843 F29441 H51409 F21804 AW973249 F18440 F17572 F32499 AA227152
80			AA534140 AI188098 F18893 F23362 AA010888 F18143 Z28501 H27651 A1720790 F22425 H13178 H28677 F21098 F37777 F21466 F16598
			F23420 AL574723 R75610 F34035 F17845 F18560 F26902 R79117 F35534 F15713 A1612800 F16563 F15846 F33609 F26995 BG939623 F17385
			F17384 F18660 F17922 F15523 AI083253 F18359 F31452 F00232 A1583430 BM021353 AA284108 H27650 H29935 BE708208 AA010737 H51451

Z19399 AI678418 AI852535 F17265 F17826 F37939 F35639 F17367 W75962 R70189 Z28755 R72106 AA335915 R75700 R79116 W72887
 AI581552 R71403 F23388 C03913 BI756149 BI116109 BF790727 AL553994 R82966 W47487 AA456066 AW984608 BE708220 BG490537 W47419

5

TABLE 48C

Pkey: Unique number corresponding to an Eos probeset
 Ref: Sequence source. The 7 digit numbers in this column are Genbank identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) *Nature* 402:469-495.
 Strand: Indicates DNA strand from which exons were predicted.
 Nt_position: Indicates nucleotide positions of predicted exons.

10

Pkey	Ref	Strand	Nt_position
405001	6015406	Minus	104646-104819
400499	9795071	Minus	148495-148806
15 403805	8140491	Minus	51483-51742,53429-53511
402270	3108020	Plus	117656-117822
404270	9828129	Minus	3849-3750,4161-4306,5962-6049,6849-6965

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Table 49A. 1562 genes upregulated in lung cancer relative to normal body tissues

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Table 49A shows 1562 genes upregulated in lung cancer relative to normal body tissues that are likely to encode proteins amenable to modulation by small molecules, peptides, or antibodies. These genes were selected from 59680 probesets on the Eos/Affymetrix Hu3 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression. The protein products of these genes often contain one or more domains indicative of having oncogenic function or of transducing intracellular signals, or of being modulatable by small molecules, peptides, or antibodies (e.g. kinase, death-domain, 7tm, phosphatase, or ion_transporter). Certain predicted protein domains are noted.

30

Pkey: Unique Eos probeset identifier number
 ExAccn: Exemplar accession number, GenBank accession number
 UniGeneID: UniGene number
 35 Pred.Prot.Domains: Certain predicted protein domains. Abbreviations used: TM, transmembrane domain; SS, signal sequence; =Y, very likely to contain; =M, likely to contain; other protein domain abbreviations are from PFAM (Nucleic Acids Research, 2002, 30:276-280).
 UniGene Title: UniGene gene title
 R1 90th percentile of lung tumor AIs divided by the 50th percentile of normal tissue AIs, where the 15th percentile of normal tissue AIs was subtracted from the numerator and denominator.

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Pkey; ExAccn; UniGeneID; UniGene Title; Pred.Prot.Domains; R1

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421502; AF111856; Hs.105039; solute carrier family 34 (sodium phosphate), member 2; Ribosomal_L20_Na_Pl_cotrans; TM=Y; 24.05
 439338; AA742697; Hs.62492; ESTs, Weakly similar to B39068 proline-rich protein 15 - rat [R.norvegicus]; none; SS=M; 21.70
 406621; X57809; Hs.181125; immunoglobulin lambda locus; Ig; HSP70; Ppx-GppA; TM=M; 19.36
 421341; AJ243212; Hs.279811; deleted in malignant brain tumors 1; zona_pellucida_CUB_SRCRSS=M; 16.99
 452304; AA026386; Hs.61311; ESTs, Weakly similar to S10590 cysteine proteinase [H.sapiens]; none; none; 16.57
 429258; AA420450; Hs.292911; ESTs, Highly similar to S60712 band-6-protein [H.sapiens]; none; none; 16.50
 454034; NM_000691; Hs.575; aldehyde dehydrogenase 3 family, member A1; aldehyd; 16.24
 50 408000; L11690; Hs.620; buldous pemphigoid antigen 1 (230/240kD); erfand; spectrin; GAS2; SH3_Plectin; RA_Xylose_Ism; FliD; bZIP; Tropomyosin; Myc-LZ; M; Idh_C; CH; AIP3; TM=M; 14.75
 421798; NT4680; Hs.29877; N-sacylphingosine amidohydrolase (acid ceramidase)-like; SAPA_Surfactant_B; none; 14.18
 439706; AW872527; Hs.59761; ESTs, Weakly similar to DAP1_HUMAN DEATH-ASSOCIATED PROTEIN 1 [H.sapiens]; none; none; 13.84
 431846; BE019924; Hs.271580; uroplakin 1B; transmembrane; TM=Y; SS=M; 13.54
 417079; U65990; Hs.61134; Interleukin 1 receptor antagonist; IL1; SS=M; 12.97
 444381; BE387335; Hs.283713; ESTs, Weakly similar to S64054 hypothetical protein YGL050w - yeast (Saccharomyces cerevisiae) [S.cerevisiae]; Collagen; TM=M; SS=M; 12.92
 408243; Y00787; Hs.624; interleukin 8; HLN_PAS; IL8; TM=M; 12.76
 448133; AA723157; Hs.73769; folate receptor 1 (adult); Folate_rec; MIP; TM=M; SS=M; 12.60
 414800; AA34899; Hs.77356; transferrin receptor (p80, CD71); PA; TM=Y; 12.12
 60 438553; AW407157; Hs.181125; immunoglobulin lambda locus; Ig; HSP70; Ppx-GppA; TM=M; 12.00
 418738; AW388633; Hs.6582; solute carrier family 7, (cationic amino acid transporter, y system) member 11; none; none; 11.99
 418693; AA133749; Hs.301350; FXYD domain-containing ion transport regulator 2A; ATP1G1_PLM_MAT8; TM=Y; SS=M; 11.88
 417866; AW067903; Hs.827772; collagen, type XI, alpha 1; Collagen; COLF1; TSPN; laminin_G_CorA; SS=M; 11.38
 414998; NM_002543; Hs.77729; oxidized low density lipoprotein (lectin-like) receptor 1; lectin_c; TM=Y; SS=M; 11.21
 428970; BE278891; Hs.194691; retinoic acid induced 3; fmn_3; TM=Y; SS=M; 11.08
 418004; U37619; Hs.87539; aldehyde dehydrogenase 3 family, member B2; aldehyd; TM=M; SS=M; 11.01
 425397; J04088; Hs.156348; topoisomerase (DNA) II alpha (170kD); DNA_gyraseB; DNA_topoisolV; HATPase_c; SS=M; 10.69
 418478; U38945; Hs.1174; cyclin-dependent kinase inhibitor 2A (melanoma, p18, inhibits CDK4); snk; 10.65
 70 439223; AW39299; Hs.250618; UL16 binding protein 2; UL16_recept_o_PKD; MHC_J; TM=M; SS=Y; 10.52
 441835; AB036432; Hs.184; advanced glycosylation end product-specific receptor; homeobox_Acyltransferase; notch; EGF; arlk; Acyltransferase; 10.47
 451558; NM_001089; Hs.26530; ATP-binding cassette, subfamily A (ABC1), member 3; ABC_tran; SRP54; TM=Y; SS=M; 10.33
 443426; AF098158; Hs.9329; chromosome 20 open reading frame 1; none; TM=M; 10.21
 452747; BE153855; Hs.61460; Ig superfamily receptor LNIR; Ig_Rhbd_glycop; TM=Y; SS=M; 10.14
 75 417389; BE260954; Hs.82045; midkine (neutrite growth-promoting factor 2); PTN_MK; TM=M; SS=Y; 10.13
 433091; Y12642; Hs.3185; lymphocyte antigen 6 complex, locus D; UPAR_LY6_boxN; Activin_recept; TM=M; SS=Y; 10.12
 454096; W27953; Hs.292911; ESTs, Highly similar to S60712 band-6-protein [H.sapiens]; none; none; 10.05
 414812; X72755; Hs.77367; monokine induced by gamma Interferon; IL6; TM=M; SS=Y; 9.98
 430832; AA073913; Hs.100686; ESTs, Weakly similar to JED350 Anterior gradient-2 [H.sapiens]; none; none; 9.79
 80 422310; AA316622; Hs.98370; cytochrome P450, subfamily 11S, polypeptide 1; none; pkdase_fn3; Ig; 9.60
 414987; AA524394; Hs.294022; hypothetical protein FLJ14850; SH2; TM=M; 9.54
 439453; BE264974; Hs.6566; thyroid hormone receptor interactor 19; AAA_ABC_Iran; CoaE; TM=M; 9.52
 430280; AA381258; Hs.237888; interleukin 7 receptor; fn3; none; 9.48

- 423217; NM_000094; Hs.1640; collagen, type VII, alpha 1 (epidermolysis bullosa, dystrophic, dominant and recessive); Kunitz_BPTLfn3, vwa, Collagen, beta-lactamase; TM=M; SS=M; 9.44
- 418882; NM_004996; Hs.89433; ATP-binding cassette, sub-family C (CFTR/MRP), member 1; ABC_membrane,ABC_tran;TM=Y;SS=M; 9.32
- 435472; AW972330; Hs.283022; triggering receptor expressed on myeloid cells 1; Ig;TM=M;SS=M; 9.26
- 5 447343; AA265641; Hs.236894; ESTs, Highly similar to S02392 alpha-2-macroglobulin receptor precursor [H.sapiens]; none,none; 9.18
- 419508; AW979793; Hs.90783; ATP-binding cassette, sub-family C (CFTR/MRP), member 3; ABC_tran,ABC_membrane;TM=Y;SS=M; 9.06
- 441384; AA447849; Hs.288660; Homo sapiens cDNA: FLJ22182 fts, clone HRC00953; 7m_3,none; 8.98
- 446292; AF081497; Hs.279662; Rh type C glycoprotein; Ammonium_transp,FeCCD;TM=Y;SS=M; 8.74
- 436972; AA284679; Hs.25640; claudin 3; PMP22_Claudin;TM=Y;SS=M; 8.71
- 10 421817; AF146074; Hs.108660; ATP-binding cassette, sub-family C (CFTR/MRP), member 5; Fascidin,ABC_tran,ABC_membrane,GTP_EFTU;TM=M;SS=M; 8.71
- 423354; AB011130; Hs.127436; calcium channel, voltage-dependent, alpha 2delta subunit 2; vws,Cash;TM=M; 8.66
- 439806; W79123; Hs.58561; G protein-coupled receptor 87; 7m_1;TM=Y;SS=M; 8.63
- 438091; AW373062; ; nuclear receptor subfamily 1, group 1, member 3; hormone_rec,zf-C4,none; 8.60
- 15 421508; BE302786; Hs.105097; thymidine kinase 1, soluble; TK;TM=M; 8.57
- 413278; BE563065; Hs.833; interferon-stimulated protein, 15 kDa; ubiquitin;SS=M; 8.56
- 408908; BE295227; Hs.250822; serine/threonine kinase 15; ptknase;SS=M; 8.52
- 414774; X02419; Hs.77274; plasminogen activator, urokinase; kringle,typsin,plant_thionins;SS=M; 8.49
- 430630; AW269920; Hs.2621; cystatin A (stefin A); cystatin;TM=M; 8.42
- 143011; AW068115; Hs.821; biglycan; LRR,LRRNT;SS=M; 8.40
- 20 446291; BE397753; Hs.14623; interferon, gamma-inducible protein 30; GILT;TM=M;SS=Y; 8.39
- 411089; AA456454; ; cell division cycle 2-like 1 (PITSRE proteins); none,none; 8.37
- 422765; AW409701; Hs.1578; baculoviral IAP repeat-containing 5 (surfin); BIR;TM=M; 8.34
- 453922; AF053306; Hs.36708; budding uninhibited by benzimidazoles 1 (yeast homolog), beta; none;SS=M; 8.25
- 449019; AI940985; Hs.67776; ESTs, Weakly similar to T22341 hypothetical protein F4798.5 - *Caenorhabditis elegans*; none,none; 8.24
- 25 409799; D11928; Hs.76845; phosphoserine phosphatase-like; Hydrolase;TM=M; 8.22
- 416819; U77735; Hs.80205; plm-2 oncogene; ptknase;SS=M; 8.19
- 451541; BE279383; Hs.26557; pleckstrin; Armadillo_seg;TM=M;; 8.16
- 409142; AL136877; Hs.50758; SMC4 (structural maintenance of chromosomes 4, yeast)-like 1; ABC_tran,M,SMC_N,SMC_C,DUF164,none; 8.16
- 30 429002; AW248439; Hs.2340; junction plakophilin; Armadillo_seg;TM=M;; 8.14
- 445033; AV652402; Hs.72901; mucin 13, epithelial transmembrane; anky; 8.14
- 421757; Z20897; Hs.298259; paroxonase 3; Arylesterase;SS=Y; 8.10
- 414821; M63838; Hs.77424; Fc fragment of IgG, high affinity Ia, receptor for (CD64); Ig;TM=Y;SS=M; 8.03
- 439285; AL133916; ; hypothetical protein FLJ20093; Ig,ptknase,LRR,LRRNT,LRRCT,none; 7.97
- 35 439738; BE246502; Hs.9558; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B; Sema,PSI,integrin_B;TM=Y;; 7.86
- 424905; NM_002497; Hs.153704; NIMA (never in mitosis gene a)-related kinase 2; ptknase;TM=M;; 7.85
- 424779; AL046851; Hs.153053; CD37 antigen; transmembrane 4;TM=Y;SS=M; 7.85
- 409340; BE174629; Hs.321130; hypothetical protein MGC2771; aa_permeases,pyridoxal_deC,bromodomain,PHD,MBD,AT_hook,DDT,PI3_PI4_kinase,FAT,FATC,BolA,RUN;TM=M;; 7.84
- 40 415323; BE269352; Hs.949; neutrophil cytosolic factor 2 (NSKd, chronic granulomatous disease, autosomal 2); SH3,TPR;TM=M;; 7.73
- 427337; Z46223; Hs.176663; Fc fragment of IgG, low affinity IIIb, receptor for (CD16); Ig;TM=Y;SS=M; 7.72
- 430378; Z29572; Hs.2558; tumor necrosis factor receptor superfamily, member 17; IL2;SS=M; 7.71
- 451253; H48299; Hs.26126; claudin 10; PMP22_Claudin,Peptidase_M1_K,tetra;TM=Y;SS=M; 7.70
- 435575; AF213457; Hs.44234; triggering receptor expressed on myeloid cells 2; Ig;TM=Y;SS=M; 7.70
- 45 427747; AW411425; Hs.180655; serine/threonine kinase 12; ptknase;TM=M;; 7.70
- 426251; M24283; Hs.168383; intercellular adhesion molecule 1 (CD54), human rhinovirus receptor; Ig,ICAM_N;TM=M;SS=M; 7.67
- 422828; AF019225; Hs.114309; apolipoprotein L; MotA_ExdB;TM=Y;SS=M; 7.64
- 50 413859; AW992356; Hs.8364; Homo sapiens pyruvate dehydrogenase kinase 4 mRNA, 3' untranslated region, partial sequence; SAM_PNT,none; 7.64
- 424008; RQ2740; Hs.137555; putative chemokine receptor; GTP-binding protein; 7m_1;TM=Y;SS=M; 7.52
- 418322; AA284166; Hs.84113; cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase); Y_phosphatase,DSPh;TM=M;; 7.46
- 421071; AI311239; Hs.104476; ESTs, Weakly similar to CSHU1E collagen alpha 1(XI) chain precursor [H.splendens]; none;TM=Y;SS=M; 7.40
- 421481; AW391972; Hs.104696; KIAA1324 protein; none;TM=M;SS=M; 7.39
- 438089; W05381; ; nuclear receptor subfamily 1, group 1, member 3; hormone_rec,zf-C4,none; 7.38
- 55 428484; AF104032; Hs.184601; solute carrier family 7 (cationic amino acid transporter, y system), member 5; aa_permeases,pyridoxal_deC,bromodomain,PHD,MBD,AT_hook,DDT,PI3_PI4_kinase,FAT,FATC,BolA,RUN;TM=M;; 7.38
- 449888; Y09763; Hs.22785; gamma-aminobutyric acid (GABA) A receptor, epsilon; Neur_chan_LBD,Neur_chan_membr;TM=Y;SS=M; 7.36
- 416178; AI088527; Hs.192822; serologically defined breast cancer antigen NY-BC-81; none;TM=M;; 7.31
- 418508; AA084248; Hs.85339; G protein-coupled receptor 39; none,none; 7.26
- 60 441553; AA281210; Hs.121256; ESTs; none,FG-CAP,integrin_A; 7.25
- 422311; AF073515; Hs.114945; cytokine receptor-like factor 1; fn3;TM=M;; 7.21
- 415617; U88967; Hs.78867; protein tyrosine phosphatase, receptor-type, Z polypeptide 1; fn3,Y_phosphatase,carb_anhydrase;TM=Y;SS=M; 7.20
- 438748; AI885815; Hs.184727; Human melanoma-associated antigen p97 (melanotransferrin) mRNA, 3' flank; transferrin,Guanylate_kin,PDZ,SH3; 7.20
- 412723; AA648459; Hs.335951; hypothetical AF301222; none;TM=M;; 7.14
- 65 418203; X54942; Hs.83768; CDC28 protein kinase 2; CKS;; 7.14
- 428582; BE336699; Hs.185055; BENE protein; none;TM=Y;SS=M; 7.12
- 418452; BE001596; integrin, beta 4; fn3,integrin_B,Cab-beta,EGF;TM=M;SS=M; 7.08
- 420344; BE463721; Hs.97101; putative G protein-coupled receptor; Methyltransf_S;TM=Y;SS=M; 7.02
- 428450; NM_014791; Hs.184339; KIAA0175 gene product; KA1,ptknase;TM=M;; 7.00
- 70 449230; BE613348; Hs.211579; melanoma cell adhesion molecule; Ig,Isodh,Ribosomal_LB,F_box;TM=Y;SS=M; 6.98
- 439237; AW408168; Hs.318893; ESTs, Weakly similar to A47582 B-cell growth factor precursor [H.splendens]; Furin-like,ptknase,Recep_I_domain,YLP,none; 6.97
- 421508; NM_004833; Hs.105115; absent in melanoma 2; PAAD_DAPIN,HIN;TM=M;; 6.96
- 410342; R31350; Hs.743; Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide; ITAM;TM=Y;SS=M; 6.93
- 428479; Y00272; Hs.334582; cell division cycle 2, G1 to S and G2 to M; ptknase,ICE_p10,ICE_p20;TM=M;SS=M; 6.93
- 75 421532; AW138207; Hs.146170; hypothetical protein FLJ22869; Armadillo_seg,HEAT;TM=M;; 6.91
- 451035; AU078785; Hs.430; plastin 1 (I isoform); afhand,CH_Adaptin_I;SS=M; 6.86
- 432407; AA221036; ; gbrz03f12.1 Stratogene NT2 neuronal precursor 937230 Homo sapiens cDNA clone 5 similar to SW:POL_BAEVM P10272 POL POLYPROTEIN ; mRNA sequence; DEAD, helicase_C,Im,Ndr,Cys_knot,TIL,vwa,wvd,O,Rila,abhydrolase,TGF-beta,DUF139,TPR,DSPh,sp_1,Ribosomal_S21,rvp;TM=M;; 6.84
- 80 442699; AF078037; Hs.324051; RelA-associated inhibitor; SH3,ank;TM=M; 6.77
- 449243; AW369771; Hs.52620; integrin, beta 8; integrin_B,none; 6.76
- 427557; NM_002659; Hs.179657; plasminogen activator, urokinase receptor; UPAR LY6,ET,PLA2_inh;SS=M; 6.75
- 418054; NM_002318; Hs.83354; lysyl oxidase-like 2; SRCR,Lysyl_oxidase;TM=M;SS=M; 6.74
- 426440; BE382756; Hs.169902; solute carrier family 2 (facilitated glucose transporter), member 1; sugar_ir;TM=Y;SS=M; 6.73

430397; A1924533; Hs.105607; bicarbonate transporter related protein 1; HCO3_cotransp;TM=Y; 6.71
 449523; NM_000579; Hs.54443; chemokine (C-C motif) receptor 5; 7tm_1;TM=Y;SS=M; 6.71
 431630; NM_022204; Hs.265829; integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor); FG-GAP,Rhbd_glycop,Integrin_A;TM=Y;SS=M; 6.70
 5 410434; AF061152; Hs.63565; toll-like receptor 2; LRR,LRRC1,TIR;TM=M;SS=M; 6.69
 424925; NM_002432; Hs.153837; myeloid cell nuclear differentiation antigen; PAAD_DAPIN,HIN; 6.69
 431890; X17033; Hs.271965; integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor); vwa,Integrin_A,FG-GAP;TM=Y;SS=M; 6.65
 428157; A1738719; Hs.198427; hexokinase 2; hexokinase,hexokinase2,none; 6.64
 430770; AA765694; Hs.123296; ESTs; none,none; 6.63
 10 412270; AC005262; Hs.73797; guanine nucleotide binding protein (G protein), alpha 15 (Gq class); G-alpha_arf;TM=M; 6.59
 439750; AL359053; Hs.57664; Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 2005735; IMPDH_C,IMPDH_N,CBS,Integrin_B,Ricin_B_Jectin; 6.59
 427700; AA262294; Hs.180383; dual specificity phosphatase 6; Rhodanese,DSPh;TM=M; 6.59
 413048; M93221; Hs.75182; mannose receptor, C type 1; fn2,leefin_c,Ricin_B_Jectin,Xlink;TM=Y;SS=M; 6.58
 429345; R11141; Hs.199695; hypothetical protein; K_tetra,SAM; 6.58
 15 416110; Z42262; Hs.322844; hypothetical protein DKFZp564A176; Sema,PSI,TIG,Integrin_B;TM=Y;SS=M; 6.58
 418883; BE387036; Hs.1211; acid phosphatase 5, tartrate resistant; Metallophos;TM=M;SS=M; 6.57
 426746; J03626; Hs.2057; uridine monophosphate synthetase (rotate phosphotriose transferase and orotidine-5'-decarboxylase); Ribosyltran,OMPdecase;TM=M;; 6.57
 402260; NM_001436; Homo sapiens fibrillarin (FBL), mRNA, transcript (FBA); mRNA,phosphatase,Fibrillarin,none; 6.56
 456373; BE247708; Hs.89751; membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide); none;TM=Y;; 6.53
 444006; BE395085; Hs.10086; type I transmembrane protein Fn14; Idi_recept,a,PKO,MHC_I;TM=M;SS=Y; 6.53
 20 411027; AF072099; Hs.67846; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4; Inositol_P,fg;TM=M;; 6.52
 435523; T82849; Hs.11090; membrane-spanning 4-domains, subfamily A, member 7; none;TM=Y;SS=M; 6.52
 432920; U37689; Hs.3128; polymerase (RNA) II (DNA directed) polypeptide H; none;TM=M; 6.48
 412773; H1.7585; Hs.74573; similar to vaccinia virus HindIII K4L ORF; PLD;TM=M; 6.48
 25 409208; Y00993; Hs.51077; integrin, alpha X (antigen CD110 (p150), alpha polypeptide); vwa,FG-GAP,Integrin_A,vwa,Integrin_A,FG-GAP; 6.43
 424441; X14650; Hs.147097; H2A histone family, member X; histone,CBFD_NFYB_HMP; 6.43
 418916; X07671; Hs.89476; CD2 antigen (p50), sheep red blood cell receptor; ig;TM=Y;SS=M; 6.41
 413219; A8878200; Hs.118727; Homo sapiens cDNA FLJ13692 f8, clone PLACE2001013; Hh,death,TNFR_c6,Acyl-CoA_Jydro; 6.41
 428170; NM_001394; Hs.2359; dual specificity phosphatase 4; Rhodanese,DSPh,Y_phosphatase,Ribosomal_S3_N;TM=M;; 6.39
 30 453914; NM_000507; Hs.574; fructose-1,6-bisphosphatase 1; FBPase;TM=M; 6.37
 424273; WA4040; Hs.144442; phospholipase A2, group X; phosphat;TM=M;SS=Y; 6.37
 428385; AF112213; Hs.184062; putative Rab5-interacting protein; SH2,SH3,SS=M; 6.36
 432636; AA340864; Hs.278562; claudin 7; PMP22_Claudin;TM=Y;SS=M; 6.34
 409430; R21945; Hs.346735; splicing factor, arginine/serine-rich & DSPh; Rhodanese,none; 6.34
 451734; NM_006176; Hs.20944; neuregulin (protein kinase C substrate, RC3); IQ,7tm_1;TM=M;; 6.34
 35 443907; AU076484; Hs.9963; TYRO protein tyrosine kinase binding protein; none;TM=M;SS=Y; 6.34
 401027; ;; Target exon; none,none; 6.26
 418299; AA279530; Hs.83968; Integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit); integrin_B,EGF,PSI;TM=Y;SS=M; 6.22
 429732; U2015B; Hs.2488; lymphocyte cytosolic protein 2 (SH2 domain-containing leukocyte protein of 76kD); SH2;SS=M; 6.21
 408113; T82427; Hs.194101; Homo sapiens clone ADKA022377; 7tm_3,none; 6.20
 408771; AW732573; Hs.47584; potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3; effhand,ion_trans,K_tetra,none; 6.19
 456534; X91195; Hs.100623; phospholipase C, beta 3, neighbor pseudogene; LIM,PDZ,phosphatase;SS=M; 6.18
 408482; NM_000576; Hs.45743; adenosine A2b receptor; 7tm_1;TM=Y;SS=M; 6.17
 428427; M88899; Hs.169840; TTK protein kinase; pdnase; 6.17
 455019; AI205540; Hs.281295; ESTs; none,none; 6.16
 438552; AJ245820; Hs.6314; type I transmembrane receptor (saturation-related protein); none,none; 6.16
 414907; X90725; polo (Drosophila)-like kinase; Ribosomal_L3aa,kinase,POLO_box,iRNA-synt_1b,dynamin,dynamin_2,GED,bZIP,M;; 6.14
 425322; U63630; Hs.155637; protein kinase, DNA-activated, catalytic polypeptide; PI3_PI4_kinase,FAT,FATC;TM=M;; 6.13
 50 417421; AI138201; Hs.82120; nuclear receptor subfamily 4, group A, member 2; hormone_rec,x-C4;SS=M; 6.13
 425776; U25128; Hs.159498; parathyroid hormone receptor 2; 7tm_2,HRM;TM=Y;SS=M; 6.12
 422278; AF072073; Hs.114218; frizzled (Drosophila) homolog 6; Fz,Frizzled,7tm_2;TM=Y;SS=M; 6.12
 427490; Z95152; Hs.178695; mitogen-activated protein kinase 13; pdnase;TM=M; 6.12
 421445; AA913059; Hs.104433; Homo sapiens, clone IMAGE4054868, mRNA; ion_Irans,K_tetra,asp; 6.11
 55 444143; AW747996; Hs.160999; ESTs; Moderately similar to A56194 thromboxane A-2 receptor, endothelial (H.sapiene); Bcl-2,none; 6.10
 423887; AL080207; Hs.134585; DKFZP434G232 protein; ABC_tran;TM=Y; 6.10
 409636; AA305729; Hs.18272; amino acid transporter system A1; As_trans;TM=Y; 6.09
 411020; NM_005770; Hs.57726; macrophage receptor with collagenous structure; SRCR,Collagen;TM=Y;SS=M; 6.09
 425354; U62027; Hs.155935; complement component 3a receptor 1; 7tm_1;TM=Y;SS=M; 6.08
 60 439983; Hs.220529; Hs.5793; platelet-activating factor acetylhydrolase, isoform II, gamma subunit (29kD); PAF-AH_Jb,Upase_GDSL;TM=M;; 6.07
 421753; BE314828; Hs.107911; ATP-binding cassette, sub-family B (MDR/TAP), member 6; ABC_tran,ABC_membrane;TM=Y;SS=M; 6.07
 406908; Z25437; gb:H.sapiens protein-tyrosine kinase gene, complete CDS; none,none; 6.07
 425849; AJ000512; Hs.295323; serum/glucocorticoid regulated kinase; kinase,kinase_C;TM=M;SS=M; 6.06
 452363; AI582743; Hs.94953; Homo sapiens, Similar to complement component 1, q subcomponent, a polypeptide, clone MGC:17279, mRNA, complete cds; C1q,Collagen;SS=M;
 65 6.05
 414883; AA926960;; CDC28 protein kinase 1; CKS;; 6.05
 414166; AW888941; Hs.75789; N-myco downstream regulated; DEAD, helicase_C,rrn,Ndr,Cys_knot,TIL,vwa,wwc,wwd,IQ,RIIa,abhydrolase,TGF-beta,DUF139,TPR,DSPh,tsp_1,Ribosomal_S21,vp;TM=M;; 6.03
 452888; AW955454; Hs.30942; ephrin-B2; Ephrin,fn2;TM=Y;SS=M; 6.03
 70 448762; AL050295; Hs.22039; KIAA0758 protein; 7tm_2,ig,GPS,SEA;TM=Y; 6.03
 449101; AA205847; Hs.23016; G protein-coupled receptor; 7tm_1;TM=Y;SS=M; 6.01
 445462; AA378776; Hs.288649; hypothetical protein MGC3077; none; 6.00
 424381; AA285249; Hs.146329; protein kinase Chk2; kinase,FHA,Dna;TM=M;; 6.00
 420162; BE378432; Hs.85577; cyclin-dependent kinase 4; kinase;TM=M;; 5.99
 75 439310; AF086120; Hs.102793; ESTs; casein_kappa,kinase,lg;none; 5.97
 414972; BE263782; Hs.77695; KIAA0008 gene product; GKAP;TM=M;; 5.97
 425976; C76094; Hs.334514; NG22 protein; voltage_CLC;TM=Y;SS=M; 5.94
 444946; AW139205; Hs.156457; hypothetical protein FLJ22406; abhydrolase,abhydrolase_2;TM=Y;SS=M; 5.93
 411263; BE257802; Hs.59350; kinesin-like 6 (mitotic centromere-associated kinesin); kinesin;TM=M;; 5.93
 421462; AF016495; Hs.104624; aquaporin 9; MIP;TM=Y;SS=M; 5.92
 80 426761; AI015709; Hs.172089; Homo sapiens mRNA; cDNA DKFZp586l2022 (from clone DKFZp586l2022); none;TM=Y;SS=M; 5.92
 407792; AI077715; Hs.39384; putative secreted ligand homologous to fix1; none;TM=M;SS=Y; 5.91
 428771; AB028982; Hs.193143; KIAA1069 protein; C2,PI-PLC-Y,PI-PLC-X;TM=M;; 5.91
 438564; AA381553; Hs.188253; major histocompatibility complex, class II, DQ alpha 1; Ig, MHC_JL_alpha;none; 5.91

440006; AK000517; Hs.6844; hypothetical protein FLJ20510; AAA,NB-ARC,PAAD,_DAPIN;NA;NA; 5.90
 449027; AJ271216; Hs.22800; dipeptidylpeptidase III; Peptidase_M49,EGF,ig,Neuregulin;TM=M; 5.90
 408790; AW580227; Hs.47860; neurotrophic tyrosine kinase, receptor, type 2; Ig,phosphatase,LRR,LRRNT,LRRCT;TM=Y;SS=M; 5.69
 413186; AU077141; Hs.75231; solute carrier family 16 (monocarboxylic acid transporters), member 1; sugar_ir;TM=Y;SS=M; 5.89
 5 430695; AA51276; Hs.59509; ESTs; phosphatase_PP2C;none; 5.89
 422609; Z46023; Hs.118721; stardase 1 (lysosomal stardase); BNR,SH2,SH3,phosphatase;TM=Y;SS=M; 5.88
 425367; BE271188; Hs.155975; protein tyrosine phosphatase, receptor type, C-associated protein; none;TM=M;SS=Y; 5.88
 429619; AL120751; Hs.211668; eukaryotic translation initiation factor 4 gamma, 1; none,none; 5.86
 10 437429; H79981; Hs.5613; Homo sapiens mRNA; cDNA DKFZp564E2222 (from clone DKFZp564E2222); SH2,SH3,BTB; 5.66
 436576; A1458213; Hs.77542; ESTs; 7m_1,DnaJ; 5.85
 429563; M68874; Hs.211587; phospholipase A2 group IV (cytosolic, calcium-dependent); C2,PLA2_B;TM=M; 5.85
 149981; AA897581; Hs.128773; ESTs; phosphatase,DAG_PE-bind,phosphatase,COPR;none; 5.83
 428953; AA306610; Hs.348183; tumor necrosis factor receptor superfamily, member 6b, decoy; 60s_ribosomal,Ribosomal_L10,TNFR_c6,DEAD; 5.83
 15 414806; D14694; Hs.77329; phosphatidylserine synthase 1; PSS;TM=Y;SS=M; 5.82
 451320; AW118072; diacylglycerol kinase, zeta (104kD); none;TM=M; 5.82
 400991; Target Exon; Armadillo_seg,lectin_c,none; 5.81
 456903; AF117646; Hs.156637; Cas-Br-M (murine) ectropic retroviral transforming sequence c; zf-C3HC4,Cbl_N,Cbl_N2,Cbl_N3;TM=M; 5.81
 434263; N34895; Hs.44648; ESTs; Ig,none; 5.81
 20 428293; BE250944; Hs.183556; solute carrier family 1 (neutral amino acid transporter), member 5; aIF6,SDF;TM=M; 5.78
 421959; AW751497; Hs.98370; cytochrome P450, subfamily IIS, polypeptide 1; p450;TM=Y;SS=M; 5.78
 449639; W80363; Hs.58446; ESTs; phosphatase,Furin-like,Recep_L_domain,none; 5.77
 409012; AL117435; Hs.49725; DKFZP434/1216 protein; PH,RhoGEF;TM=M;SS=M; 5.77
 412276; BE262521; Hs.73798; macrophage migration inhibitory factor (glycosylation-inhibiting factor); MIF,sugar_ir,none; 5.75
 409533; AW969543; Hs.21291; mitogen-activated protein kinase kinase kinase 13; Peptidase_C48,none; 5.73
 25 457001; J03258; Hs.2052; vitamin D (1,25-dihydroxyvitamin D3) receptor; hormone_recr,C4,Metallothio_5;TM=M; 5.73
 416084; L16991; Hs.79006; deoxythymidine kinase (thymidylate kinase); none,none; 5.72
 448569; BE382657; Hs.21486; signal transducer and activator of transcription 1, 91kD; SH2,STAT,STAT_bind,STAT_prot;TM=M; 5.72
 452295; BE379935; Hs.28866; programmed cell death 10; serin,none; 5.72
 30 448775; AB026237; Hs.388; nudix (nucleoside diphosphate linked moiety X)-type motif 1; NUDIX;TM=M;SS=M; 5.72
 448733; NM_005629; Hs.187958; solute carrier family 6 (neurotransmitter transporter, creatine), member 8; SNF;TM=Y;; 5.71
 471015; M83772; Hs.80876; flavin containing monooxygenase 3; FMO-like,pyr_reduct;TM=Y;SS=M; 5.69
 453323; AF034102; Hs.32951; solute carrier family 29 (nucleoside transporters), member 2; Nucleoside_tran;TM=Y;SS=M; 5.69
 410290; AA402307; Hs.322844; hypothetical protein DKFZp564A176; Sema,PSI,TIG,Integrin_BTM;TM=Y;SS=M; 5.69
 35 412128; AA205568; Hs.155160; Splicing factor, arginine/serine-rich, 40kD; mm, hormone_recr,zf-C4,sugar_ir; 5.69
 418526; BE019020; Hs.85838; solute carrier family 18 (monocarboxylic acid transporters), member 3; none;TM=Y;SS=M; 5.66
 447250; AI876909; Hs.17883; protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma Isoform; PP2C;TM=M; 5.65
 438113; AI467908; Hs.86882; ESTs; 7m_1,none; 5.65
 421391; AW304350; Hs.191958; immunoglobulin superfamily receptor translocation associated 2; Ig,none; 5.64
 417115; AW952792; Hs.334612; small nuclear ribonucleoprotein polypeptide E; Sm,phosphatase;; 5.64
 40 406137;; NM_00197; Homo sapiens mutS (E. coli) homolog 6 (MSH6); mRN,VERSION NM_000178.1 GI; MutS_C,PWWP,MutS_N;TM=M; 5.63
 421917; AB028943; Hs.109445; KIAA1020 protein; BTB,zf-C2H2,P13_P14_kinase,P13K;TM=M; 5.62
 445873; AA250970; Hs.251946; poly(A)-binding protein, cytoplasmic 1-like; PABP,mm,phosphatase; 14-3-3; 5.62
 447365; BE383676; Hs.334; Rho guanine nucleotide exchange factor (GEF) 5; SH3,PH,RhoGEF;TM=M; 5.61
 446872; X07058; Hs.16362; pyrimidinergic receptor P2Y, G-protein coupled, 6; 7m_1;TM=Y;SS=M; 5.59
 45 433662; WD07162; Hs.150826; CATX-3 protein; ns_ABC_tran,er;TM=M;SS=M; 5.59
 449029; N23989; Hs.22891; solute carrier family 7 (cationic amino acid transporter, y system), member 8; aa_permeases;TM=Y;SS=M; 5.58
 431230; AV658840; Hs.285115; Interleukin 13 receptor, alpha 1; fn3;TM=Y;SS=M; 5.57
 430508; AI015435; Hs.104637; ESTs; SDF;TM=Y;SS=M; 5.56
 426227; U67058; Hs.154299; Human proteinase activated receptor-2 mRNA, 3'UTR; 7m_1;TM=Y;SS=M; 5.55
 421677; Hs4092; Hs.38282; ESTs; A1pp,Armadillo_seg,IBB; 5.54
 429083; Y03397; Hs.227817; BCL2-related protein A1; Bcl-2;TM=M; 5.54
 429563; BE519413; Hs.2437; eukaryotic translation initiation factor 2B, subunit 5 (epsilon, 82kD); hexapep,W2,hormone2,DUF29;TM=M;; 5.52
 421817; AL037159; Hs.74619; proteasome, macropain; 26S subunit, non-ATPase, 2; PC,rep;TM=M; 5.51
 55 452291; AF015592; Hs.28853; CDC7 (cell division cycle 7, S. cerevisiae, homolog)-like 1; phosphatase;TM=M; 5.51
 437412; BE069288; Hs.34744; Homo sapiens mRNA; cDNA DKFZp547C136 (from clone DKFZp547C136); ABC_tran,GTP_EFTU,ABC_membrane,none; 5.50
 423778; Y08267; Hs.132821; flavin containing monooxygenase 2; FMO-like,pyr_reduct;TM=Y;SS=M; 5.48
 422846; BE513934; Hs.1583; neutrophil cytosolic factor 1 (47kD, chronic granulomatous disease, autosomal 1); SH3,PXT;TM=M; 5.48
 434699; AA643687; Hs.149425; Homo sapiens cDNA FLJ11980 f1s, clone HEMBB1001304; Nucleoside_Ira2,none; 5.48
 60 426691; NM_008201; Hs.171834; PCTAIRE protein kinase 1; phosphatase;TM=M; 5.48
 453905; NM_002314; Hs.36566; LIM domain kinase 1; phosphatase,LIM,PDZ,zf-PARP;TM=M; 5.48
 412939; AW411491; Hs.75069; eukaryotic translation elongation factor 1 gamma; none,none; 5.44
 430468; BE062108; Hs.241551; chloride channel, calcium activated, family member 2; none;TM=Y;SS=M; 5.43
 430008; AI929659; Hs.237825; signal recognition particle 70kD; TPR,ARC,SAICAR_synt; 5.40
 422241; Y00062; Hs.170121; protein tyrosine phosphatase, receptor type, C; kinesin,fn3,Y_phosphatase;TM=M;; 5.40
 411825; AK000394; Hs.72289; hypothetical protein FLJ20327; SNF,Zip;TM=Y;; 5.36
 400201;; NM_005265; Homo sapiens RAD21 (S. pombe) homolog (RAD21), mRNA,(APO-1/CD95 (Fas)-associated phosphatase) (PTPN13), mRNA; DUF173;SS=M; 5.35
 410667; U24399; Hs.65436; lysyl oxidase-like 1; Lysyl oxidase;SS=M; 5.34
 407788; AA687538; Hs.38972; tetraspan 1; transmembrane4;TM=Y;SS=M; 5.34
 70 425116; AU076611; Hs.154672; methylene tetrahydrofolate dehydrogenase (NAD dependent), methenyltetrahydrofolate cyclohydrolase; myb_DNA-binding,THF_DHG,CYH,THF_DHG,CYH_C,CAP_GLY,AAA,LON,Peptidase_C8,bZIP,M,xan_ur_permease,HCO3_coltransp;TM=M;; 5.32
 400210; Eos Control; Adap_comp_sub,Clat_adaptor_s;TM=M; 5.32
 414825; X06370; Hs.77432; epidermal growth factor receptor (avian erythroblastotic leukemia viral (v-erb-b) oncogene homolog); Furin-like,phosphatase,Recep_L_domain;TM=M;SS=M; 5.31
 75 414035; Y00630; Hs.75716; serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2; serpin;SS=M; 5.30
 416000; RB2342; Hs.79858; ESTs, Weakly similar to S65667 alpha-1C-adrenergic receptor splice form 2 [H.sapiens]; none,sugar_ir; 5.30
 414358; W70171; Hs.75939; uridyl monophosphate kinase; PRK,CoxE; 5.29
 424932; W74048; Hs.1765; lymphocyte-specific protein tyrosine kinase; SH2,SH3,phosphatase;TM=M; 5.29
 450295; AL041949; Hs.24775; hepatocyte growth factor-regulated tyrosine kinase substrate; none,none; 5.29
 456672; AK002016; Hs.114727; Homo sapiens, clone MGC:16327, mRNA, complete cds; none,PKPK_C,myosin_head,RhoGAP; 5.28
 80 410068; A633886; Hs.68435; FYN-binding protein (FYB-120130); SH3;TM=M; 5.28
 456629; AW891955; Hs.279789; histone deacetylase 3; HSP90,HATPase_c,zf-C2H2,PHD,none; 5.27
 417218; AA005247; Hs.285754; met proto-oncogene (hepatocyte growth factor receptor); phosphatase,Sema,PSI,TIG,Integrin_B;TM=Y;SS=M; 5.26
 444051; N48373; Hs.10247; activated leucocyte cell adhesion molecule; none,none; 5.26

404083;; C6002159*;gj628027|pk|]A53593 protein-tyrosine-phosphatase (EC 3.1.3.48), nonreceptor ty; none;SS=M; 5.26
 422051; AW327546; Hs.111024; solute carrier family 25 (mitochondrial carrier, citrate transporter), member 1; mto_carr;TM=M;; 5.26
 419034; NM_002110; Hs.89555; hemoplasia cell kinase; SH2,SH3,phosphatase;TM=M;; 5.26
 427732; NM_002980; Hs.2199; secretin receptor; 7tm_2,HRM;TM=M;SS=M; 5.25
 5 429921; NM_007231; Hs.162211; solute carrier family 6 (neurotransmitter transporter), member 14; SNF;TM=Y;SS=M; 5.25
 448030; N30714; Hs.325960; membrane-spanning 4-domains, subfamily A, member 4A; none;TM=Y;SS=M; 5.24
 441607; NM_005010; Hs.7912; neuronal cell adhesion molecule; WD40_fn3,lg;TM=M;; 5.23
 446620; AA128808; Hs.179902; transporter-like protein; none;TM=Y;SS=M; 5.23
 10 422616; BE300330; Hs.118725; selenophosphate synthetase 2; AIRS,AIRS_C;TM=M;; 5.23
 447131; NM_004585; Hs.17486; retinol acid receptor responder (lazarotene induced) 3; none;TM=Y;; 5.21
 448272; BE268912; Hs.14601; hematopoietic cell-specific lnx substrate 1; SH3,HS1_rep;TM=M;; 5.20
 450447; AF212223; Hs.25010; hypothetical protein P15-2; NT2;TM=M;; 5.19
 15 428003; AF119046; Hs.154149; aquinic/epyrimidinic endonuclease(APEX nuclease)-like 2 protein; Troponin_Exo_endo_phos,IC;TM=M;; 5.19
 446636; AC002583; Hs.15767; oltron (rho-Interacting, serine/threonine kinase 21); CNH,DAG,PE-blnd,PH,Involcrln,M;TM=M;; 5.19
 434826; AF155661; Hs.22265; pyruvate dehydrogenase phosphatase; PP2C;none; 5.19
 447081; Y13896; Hs.17287; potassium inwardly-rectifying channel, subfamily J, member 15; IRK;TM=Y;; 5.19
 407949; W21874; Hs.247057; ESTs, Weakly similar to 2109260A B cell growth factor [H.sapiens]; Ribosomal_S14,ank,phosphatase,death,none; 5.18
 442200; AW590572; Hs.235768; ESTs;none,none; 5.18
 20 446566; H35741; Hs.17914; membrane-spanning 4-domains, subfamily A, member 6A; none;TM=Y;SS=M; 5.18
 452690; AI536070; Hs.15085; ESTs; pou,homeobox,lg Chan,ANF_receptor; 5.18
 419138; U48808; Hs.99831; ryandine receptor 1 (skeletal); ion_trans,SPRY,RYDR,JPTR,RyR,MIR;TM=Y;; 5.17
 431441; U81961; Hs.2794; sodium channel, nonvoltage-gated 1 alpha; ASC;TM=Y;; 5.16
 418945; BE246782; Hs.89499; arachidonate 5-lipoxygenase; lipoxygenase,PLAT;TM=M;; 5.16
 25 407601; AC002300; Hs.37129; sodium channel, nonvoltage-gated 1, beta (Liddle syndrome); ASC;TM=Y;SS=M; 5.15
 428500; X78585; Hs.289114; hexabronchin (tenascin C, cytokeratin); EGF_fn3,flbrinogen_C,toxin_2,Keratin_B2;TM=M;SS=Y; 5.15
 411984; NM_005419; Hs.72988; signal transducer and activator of transcription 2, 113kD; SH2,STAT,STAT_bind,STAT_prot;TM=M;; 5.15
 433470; AW960564; transmembrane 4 superfamily member 1; none;TM=Y;SS=M; 5.14
 452817; AA322895; Hs.28476; Homo sapiens PAK2 mRNA, complete cds; phosphatase,PBD;TM=M;; 5.14
 453102; NM_007197; Hs.31664; frizzled (Drosophila) homolog 10; Fz,Frizzled,7tm_2;TM=Y;SS=M; 5.14
 30 427792; M63928; Hs.180841; tumor necrosis factor receptor superfamily, member 7; SRP14,TNFR_c6;SS=M; 5.14
 430563; AA481269; ATP-binding cassette, sub-family C (CFTR/MRP), member 5; ABC_tran,GTP_EFTU,ABC_membrane,none; 5.13
 431681; AK000378; Hs.257586; hypothetical protein FLJ20371; sugar_1;TM=Y;; 5.12
 431183; NM_006855; Hs.250696; KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3; ER_Jumen_recept;TM=M;SS=M; 5.12
 35 417771; AA046598; Hs.82547; retinol acid receptor responder (lazarotene induced) 1; none,none; 5.11
 418513; AA744529; Hs.86575; mitogen-activated protein kinase kinase kinase 1; kinase,CNH;TM=M;; 5.11
 409524; AW402151; Hs.54673; tumor necrosis factor (ligand) superfamily, member 13; TNF;TM=Y;SS=M; 5.11
 438856; AI469355; Hs.127310; ESTs; phosphatase,rm;TM=M;; 5.09
 411296; BE207307; Hs.10114; growth suppressor 1; 2OG-Fet_1,Oxy;TM=M;SS=M; 5.09
 401092; AA0B1594; Hs.158311; Musashi (Drosophila) homolog 1; rm;TM=M;; 5.09
 40 404440;; NM_021048; Homo sapiens melanoma antigen, family A, 10 (MAGEA10), mRNA, VERSION NM_021049.1 GI; MAGE;TM=M;; 5.08
 424977; AA349269; Hs.100057; Homo sapiens cDNA: FLJ22902 fis, clone KAT05581; none,none; 5.08
 422100; AI095988; Hs.111554; ADP-ribosylation factor-like 7; arfras;TM=M;; 5.07
 452222; AW808287; Hs.21432; SEX gene; Sema,TIG,PSI,GO; 5.07
 430300; U60805; Hs.238648; oncostatin M receptor; fn3;TM=Y;SS=M; 5.07
 45 408369; R38458; Hs.182575; solute carrier family 15 (H?? transport), member 2; PTR2;TM=Y;; 5.07
 422112; BE540240; Hs.111783; Lsm1 protein; Sm,BAG;SS=M; 5.06
 449961; AW265634; Hs.133100; ESTs; phosphatase,Furin-like,Recep_1_domain,none; 5.06
 430024; AI808780; Hs.227730; integrin, alpha 6; Integrin_A,FG-GAP;TM=Y;SS=M; 5.06
 412641; M16660; Hs.74335; heat shock 90kD protein 1, beta; HSP90,HATPase_c;TM=M;; 5.05
 50 50. 437608; AA761805; Hs.292308; ESTs, Weakly similar to ALU_1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; phosphatase,RI01,none;
 400296; AA305627; Hs.139336; ATP-binding cassette, sub-family C (CFTR/MRP), member 4; ABC_tran,ABC_membrane;TM=Y;; 5.04
 448232; AI281848; Hs.194691; retinol acid induced 3; 7tm_3,none; 5.04
 55 425262; D87119; Hs.155418; GS3955 protein; phosphatase;SS=M; 5.04
 414703; BE243877; Hs.76941; ATPase, Nef⁺ transporting, beta 3 polypeptide; Na₊K-ATPase;TM=Y;SS=M; 5.03
 434808; AF155108; Hs.258150; Homo sapiens, Similar to RIKEN cDNA 281027019 gene, clone NGC14827, mRNA, complete cds; none;TM=M;; 5.03
 425852; AK001504; Hs.159561; death receptor 6, TNF superfamily member 21; death;TNFR_c6;TM=Y;SS=M; 5.03
 449437; AJ702038; Hs.100507; Homo sapiens cDNA: FLJ22902 fis, clone KAT05581; none,none; 5.03
 448913; AA184422; Hs.22564; myosin VI; rmn,2-FanBP,phosphatase,GST_C,Ets,SAM_PNT,ABC2_membrane,myosin_head,IO,Myosin_N,bZIP,zf-C2H2,PHD,BTB,TFIIS,AT_hook,SAM;TM=M;; 5.02
 413441; AI929374; Hs.75367; Src-like-adaptor, SH2,SH3;TM=M;; 5.02
 427618; NM_000760; Hs.2175; colony stimulating factor 3 receptor (granulocyte); fn3;TM=M;SS=M; 5.02
 417666; AI345001; Hs.B2380; menage a trois 1 (AKAP assembly factor); zt-C3HC4;TM=M;; 5.02
 429903; AL134197; Hs.93597; cyclin-dependent kinase 5, regulatory subunit 5, regulatory subunit 1 (p35); CDK5_activator,none; 5.01
 60 445333; BE537841; Hs.44278; hypothetical protein FLJ12538 similar to ras-related protein RAB17; ras,arf,TK;SS=M; 5.01
 426285; U20620; Hs.343581; karyopherin alpha 1 (importin alpha 5); Armndle_seg,BB;TM=M;; 5.01
 421232; AA209534; Hs.284243; tetraspan NET-6 protein; transmembrane 4;TM=Y;SS=M; 5.01
 424517; AI539443; Hs.137447; Homo sapiens cDNA FLJ12169 fis, clone MAMMA1000643; SH2,STAT,STAT_bind,STAT_prot,none; 5.00
 425345; AU077297; Hs.155894; protein tyrosine phosphatase, non-receptor type 1; Y_phosphatase,DSPh;TM=M;SS=M; 5.00
 446946; AI876932; Hs.317; topoisomerase (DNA); Topoisomerase_I,Topoisomerase_I_N,RmAdA,Hanta_nucleop;TM=M;; 4.99
 413900; AW409747; Hs.75612; stress-induced-phosphoprotein 1 (Hsp70/hsp90-organizing protein); TPR,PDZ,WW,Guanylate_kin;TM=M;; 4.98
 412118; AW402156; Hs.784; Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor); 7tm_1;TM=Y;SS=M; 4.98
 400792; AAC635062; Homo sapiens mRNA; cDNA DKFZp434O0515 (from clone DKFZp434O0515); zt-C3HC4,CARD,BIR;TM=M;; 4.98
 75 417018; M16038; Hs.80887; Y-yes-1 Yamaguchi sarcoma viral related oncogene homolog; SH2,SH3,phosphatase;TM=M;; 4.98
 427247; AW504221; Hs.174103; integrin, alpha I (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide); vwa,Integrin_A,FG-GAP;TM=Y;SS=M; 4.98
 442080; AW444761; Hs.44565; ESTs; anki; 4.97
 454042; H22570; hypothetical protein FLJ20093; Ig,phosphatase,LRR,LRRNT,LRRCT,none; 4.97
 452698; NM_001295; Hs.301921; chemokine (C-C motif) receptor 1; 7tm_1;TM=Y;SS=M; 4.96
 80 416276; U41060; Hs.79136; LIV-1 protein, estrogen regulated; Peptidase_C4,Osteopontin,Zip;TM=Y;SS=M; 4.96
 408847; AW290997; Hs.30348; ESTs; phosphatase,ig,none; 4.96
 419452; U33635; Hs.90572; PTK7 protein tyrosine kinase 7; ig,phosphatase;TM=Y;SS=M; 4.95
 450737; AW007152; Hs.203330; ESTs; trypsin,ldl_recept_1,none; 4.95
 443354; AW370672; Hs.9247; protein kinase, AMP-activated, alpha 1 catalytic subunit; phosphatase,RI01;TM=M;; 4.94

- 414135; NM_004419; Hs.2128; dual specificity phosphatase 5; Rhodanese,DPc,Y_phosphatase;TM=M; 4.94
 424247; X14008; Hs.234734; lysoczyme (ranal amyloidosis); lys Ig,FAD_Synth,Idh,Idh_C,phosphatase;SS=M; 4.94
 434206; AW138973; Hs.180479; ESTs, Weakly similar to S69890 mitogen inducible gene mitg-2 [Hsapientis]; PH;TM=M; 4.93
 418870; AF147204; Hs.B9414; chemokine (C-X-C motif) receptor 4 (fusin); 7m_1,7m_2;TM=Y;SS=M; 4.93
 5 408716; AI567839; Hs.151714; Homo sapiens mRNA for KIAA1769 protein, partial cds; UvrC-helicase,RNB,Runt;TM=M; 4.93
 426437; BE076537; Hs.169895; ubiquitin-conjugating enzyme E2L_6; Armadillo_seq,UIQ_con,none; 4.92
 424241; AW995948; Hs.182339; Homo sapiens pyruvate dehydrogenase kinase 4 mRNA, 3' untranslated region, partial sequence; Els,SAM_PNT;TM=M; 4.92
 414570; Y00285; Hs.764773; insulin-like growth factor 2 receptor; fn2,CIMR;TM=M;SS=M; 4.92
 10 407239; AA076350; Hs.67845; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4; Ig;TM=Y;SS=M; 4.92
 409512; AW979187; Hs.293591; melanoma differentiation associated protein-5; DEAD,helicase_C,CARD;TM=M; 4.91
 416714; AF283770; Hs.79530; CD79A antigen (immunoglobulin associated alpha); Ig,ITAM,Zn_clus;TM=Y;SS=M; 4.91
 404289; NM_002944; Homo sapiens v-ros avian UR2 sarcoma virus oncogene homolog 1 (ROS1), mRNA; fn3,phosphatase,DUF139;TM=Y;SS=M; 4.90
 15 428141; D50402; Hs.182611; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1; Nhramp;TM=Y; 4.90
 407853; AA336797; Hs.40493; disklop (Xenopus laevis) homolog 1; none;TM=M;SS=M; 4.89
 432179; X75208; Hs.2913; EphB3; EPH_Lbd,fn3,phosphatase,SAM;TM=Y;SS=M; 4.89
 401083; NM_016582; Homo sapiens peptide transporter 3 (LOC51296), mRNA VERSION NM_016579.1 GI: PTR2;TM=Y;SS=M; 4.89
 402211; AA031738; KIAA0430 gene product; ion_trans,K_tetra;TM=Y; 4.88
 421541; NM_003942; Hs.10584; ribosomal protein S8 kinase, 90kD, polypeptide 4; pklnase,phosphatase_C;TM=M; 4.87
 431810; X57155; Hs.270845; kinesin-like 5 (mitotic kinesin-like protein 1); kinesin;TM=M; 4.86
 20 425295; AA431366; Hs.37251; ESTs; phosphatase;none; 4.86
 424439; AA579635; Hs.1770; Igase_I, DNA, ATP-dependent; DNA_Igase; 4.86
 419168; AI338132; Hs.33718; Homo sapiens cDNA FLJ12641 fis, clone NT2RM4001953; none,none; 4.86
 442876; BE623003; Hs.23625; Homo sapiens clone TCCCTA00142 mRNA sequence; K_tetra,DUF51,none; 4.86
 25 425455; L18954; Hs.1904; protein kinase C, iota; pklnase,DAG_PE-bnd,phosphatase_C,OPR;TM=M; 4.86
 410293; AK000047; Hs.61960; hypothetical protein; K_tetra;TM=M; 4.86
 443623; AA345519; Hs.5641; complement component 1, q subcomponent, alpha polypeptide; C1q, Collagen;SS=M; 4.85
 445903; AI347487; Hs.132781; class I cytokine receptor; fn3;TM=Y; 4.85
 427509; M62805; Hs.2161; complement component 5 receptor 1 (C5a ligand); 7m_1;TM=Y;SS=M; 4.85
 30 428820; AA436187; Hs.172631; integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide); vwa,Integrin_A,FC-GAP;TM=Y;SS=M; 4.84
 445143; U29171; Hs.75852; caserin kinase 1, delta; zf-C3HC4,Filamin,zf_B_box,NHL,phosphatase,zf_MIZ;TM=M; 4.82
 427157; U51166; Hs.173824; thymine-DNA glycosylase; UDG;TM=M; 4.81
 427857; AL133017; Hs.2210; hypothetical protein FLJ22065; myosin_head,IQ,zf-MYND;TM=M;SS=M; 4.81
 422233; X94453; Hs.114366; pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase); aldehyd,auxkinase;TM=M; 4.81
 35 414200; BE410769; Hs.75873; zyxin; LIM,fg,phosphatase;TM=M;SS=M; 4.81
 424570; AA343306; Hs.133511; ESTs; SH3,ank,none; 4.80
 451144; AW955103; Hs.61712; pyruvate dehydrogenase kinase; pdh;TM=Y;SS=M; 4.80
 402705; AA214618; activator of S phase kinase; AfpC-TSA;TM=M;SS=M; 4.80
 410024; AW191024; Hs.55016; hypothetical protein FLJ21935; SH3;TM=M; 4.80
 401972; AL041465; Hs.182982; golgin-67; none,none; 4.80
 427127; AW802282; Hs.22265; pyruvate dehydrogenase phosphatase; PP2C;none; 4.80
 413476; U25349; Hs.75393; acid phosphatase 1, soluble; LMWP;TM=M;SS=M; 4.80
 415801; R24219; Hs.278443; Fc fragment of IgG, low affinity IIb, receptor for (CD32); Ig;TM=Y; 4.79
 402233; NM_030760; Homo sapiens endothelial differentiation, sphingolipid G-protein-coupled receptor, 8 (EDG8), mRNA; 7m_1;TM=Y;SS=M; 4.79
 446153; Y10805; Hs.20521; HMT1 (hnRNP methyltransferase, S. cerevisiae)-like 2; NusG;SS=M; 4.79
 407722; BE252241; Hs.38041; pyridoxal (pyridoxine, vitamin B6) kinase; pkkB;TM=M; 4.79
 405370; NM_005589; Homo sapiens LM domain kinase 2 (LINK2), transcript variant 2a, mRNA; pklnase,LIM,PDZ;SS=M; 4.78
 416498; U53632; Hs.79351; potassium channel, subfamily K, member 1 (TWIK-1); ion_trans;TM=Y;SS=M; 4.78
 50 423921; AA526911; Hs.82772; collagen, type XI, alpha 1; Collagen, COLF1, TSPN, laminin_G, CorA;SS=M; 4.78
 424416; NM_001976; Hs.146580; enolase 2, (gamma neuronal); enolase;TM=M; 4.78
 433133; AB027249; Hs.104741; PDZ-binding kinase; T-cell originated protein kinase; phosphatase;TM=M; 4.78
 431629; AI077025; Hs.265827; Interferon, alpha-inducible protein (clone IFI-6-16); none;TM=M;SS=Y; 4.78
 417929; R27219; Hs.74547; Human T-cell receptor active alpha-chain mRNA from JIM cell line, complete cds; Ig,abhydrolase; 4.78
 55 450334; AF035959; Hs.24879; phosphatidic acid phosphatase type 2C; PAP2;TM=Y;SS=M; 4.78
 447674; BE270640; Hs.19192; cyclin-dependent kinase 2; phosphatase;SS=M; 4.77
 409744; AW676258; Hs.85265; Homo sapiens mRNA; cDNA DKFZp586P2321 (from clone DKFZp586P2321); none;NA;NA; 4.77
 446196; AJ44888; Hs.149470; ESTs; zf-C3HC4,Sulfatase,trans,STAS; 4.77
 429303; AF095727; Hs.287832; myelin protein zero-like 1; Ig,transmembrane-4;TM=Y;SS=M; 4.77
 60 426812; AF105365; Hs.172613; solute carrier family 12 (potassium/chloride transporters), member 7; none;TM=Y; 4.77
 425811; AL039104; Hs.159557; karyopherin alpha 2 (RAG cohort 1, importin alpha 1); Armadillo_seq,IBB,DEAD,helicase_C,Sec63,BDT,PHD,bromodomain;TM=M; 4.77
 444664; N26362; Hs.11615; map kinase phosphatase-like protein MK-STYX; DSPC;TM=M; 4.77
 452256; AK000933; Hs.28651; Homo sapiens cDNA FLJ10071 fis, clone HEMBA1001702; GDI,7m_1,none; 4.76
 447207; AA42233; Hs.17731; hypothetical protein FLJ12892; none;TM=M; 4.76
 65 400848; ; sorbin-related receptor, L(DLR class) A repeats-containing (SOR1L); EGF,fn3,Idl_recept_a,Idl_recept_b,granulin,BNR;TM=Y;SS=M; 4.76
 452355; NM4926; Hs.29202; G protein-coupled receptor 34; 7m_1,0,ATP_C;TM=Y; 4.75
 406809; AF000574; Hs.22405; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2; Ig,Gemin_mov;TM=M;SS=M; 4.75
 427378; BE615037; Hs.177556; melanoma antigen, family D, 1; MAGE;TM=M; 4.75
 70 444042; NM_004915; Hs.10237; ATP-binding cassette, sub-family G (WHITE), member 1; ABC_tran,PRK,GBP;TM=Y; 4.74
 410408; AF196970; Hs.1456; glycerol kinase; FGGY,FGGY_C;TM=M; 4.73
 411653; AF070576; Hs.71168; Homo sapiens clone 24674 mRNA sequence; none;NA;NA; 4.73
 437887; BE616412; Hs.286216; junctional adhesion molecule 1; none;HLH; 4.73
 417781; BE279380; Hs.82563; KIAA0153 protein; TTL_Acyl_transf; 4.73
 453966; BE148734; Hs.63325; transmembrane protease, serine 4; trypsin,Idl_recept_a;none; 4.73
 75 412228; AW503785; Hs.73792; complement component (3d)Epstein Barr virus receptor 2; sush;TM=Y;SS=M; 4.73
 418255; AW135405; Hs.37251; ESTs; phosphatase;none; 4.73
 413472; BE242870; Hs.75379; solute carrier family 1 (glial high affinity glutamate transporter), member 3; SDF;TM=Y;SS=M; 4.73
 408906; Z25424; gba;H.sapiens protein-serine/threonine kinase gene, complete CDS; none,none; 4.73
 432065; AA401039; Hs.2903; protein phosphatase 4 (formerly X), catalytic subunit; Metallophos;TM=M; 4.72
 80 424909; S78187; Hs.153752; cell division cycle 26B; Rhodanese;SS=M; 4.72
 422599; BE387202; Hs.118638; non-melanocytic cell 1, protein (NM23A) expressed in; NDK,PH,Oxysterol_BP;SS=M; 4.71
 426136; AW957239; ; gba;EST369309 MAGE resequences, MAGD Homo sapiens cDNA, mRNA sequence; PP2C;none; 4.71
 446203; Z47553; Hs.14286; flavin containing monooxygenase 5; FMO-like,pyr_reduct;TM=Y;SS=M; 4.71
 451295; AI557212; Hs.17132; ESTs, Moderately similar to I54374 gene NF2 protein [H.sapiens]; phosphatase,DAG_PE-bnd,phosphatase_C,OPR,none; 4.71

- 424099; AF071202; Hs.139336; ATP-binding cassette, sub-family C (CFTR/MRP), member 4; ABC_Itran,ABC_membrane;TM=Y;; 4.70
 424959; NM_005781; Hs.153937; activated p21cdc42Hs kinase; lkh, lkh_C, SH3, pkinase, UBA; TM=M;; 4.70
 427206; NM_004585; Hs.173955; ribosomal protein S6 kinase, 90kD, polypeptide 3; none,none; 4.70
 5 421662; NM_014141; Hs.106552; cell recognition molecule Caspr2; EGF,F5_F8_type_C, laminin_G, Sulfate_transp, STAS, 7tm_3, xan_irr_permease; TM=Y; SS=M; 4.70
 413431; AW246428; Hs.73535; ubiquitin-conjugating enzyme E2N (homologous to yeast UBC13); UQ_con; TM=M;; 4.70
 405484; ; C3002124*; gi|12737280|ref|XP_00682.2| keratin 18 [Homo sapiens]|6633; none; SS=M; 4.70
 401345; M83738; protein tyrosine phosphatase, non-receptor type 9; none; TM=M;; 4.70
 416602; NM_005159; Hs.79389; netr (chicken) like 2; EGF, wwc, TSPN; SS=Y; 4.69
 10 412507; L36645; Hs.73964; EphA4; fn3, pkinase, SAM, EPH, lbd; TM=Y; SS=M; 4.69
 437897; AA770561; Hs.146170; hypothetical protein FLJ22989; zf-DHHC; none; 4.69
 432886; BE159028; Hs.279704; chromatin accessibility complex 1; none; TM=M;; 4.69
 400843; ; NM_003103*; Homo sapiens sortilin-related receptor, L(DLR class) A repeats-containing (SORL1), mRNA.; EGF, fn3, lbd, receptor_a, d1, receptor_b, granulin, BNR; TM=Y; SS=M; 4.68
 15 433409; AI278802; Hs.25661; ESTs; pkinase, pkinase; 4.68
 413869; NM_000878; Hs.75595; interleukin 2 receptor, beta; none; TM=Y; SS=M; 4.68
 430259; BE550182; Hs.127826; RafGEF-like protein 3, mouse homolog; fn3, RA, RafGEF; TM=M; SS=M; 4.68
 425761; AW664214; Hs.196729; ESTs; SH3, Ribosomal_S3Ae; 4.68
 431941; AK000108; Hs.27227; Homo sapiens cDNA FLJ20099 fis, clone COL04544; pkinase, Furin-like, Recep_L_domain, none; 4.68
 419493; AF000121; Hs.80744; prolessose (prosome, macropain) 26S subunit, non-ATPase, 11; CDK5_activator, PCI, none; 4.67
 20 425986; NM_001761; Hs.1973; cyclin F; cyclin_F-box, cyclin_C; TM=M;; 4.67
 408056; AA312329; Hs.42331; ephrin-A4; Ephrin; TM=M; SS=M; 4.67
 453476; AI649500; Hs.24633; SAM domain and nuclear localisation signals, 1; SH3, SAM; SS=M; 4.67
 412926; AI879076; Hs.75061; macrophage myeloperoxidase-rich alanine-rich C kinase substrate; MARCKS; SS=M; 4.67
 25 424653; AA420587; Hs.115455; Homo sapiens cDNA FLJ14259 fis, clone PLACE1001076; pkinase, Furin-like, Recep_L_domain, none; 4.68
 446051; BE048061; Hs.37054; ephrin-A3; Ephin_A, deamidin, dsrn, z-alpha; 4.66
 436729; BE621807; transmembrane 4 superfamily member 1; none; TM=Y; SS=M; 4.66
 408204; AA454504; Hs.43666; protein tyrosine phosphatase type IVA, member 3; Y_phosphatase; TM=M;; 4.66
 435542; AA681376; ESTs; SH3, pkinase, PH, spectrin, RhoGEF; none; 4.66
 30 429582; NM_006308; Hs.211602; SMC1 (structural maintenance of chromosomes 1, yeast)-like 1; ABC_Itran, SMC_N, SMC_C, KID; TM=M;; 4.66
 417497; AW402482; Hs.82212; CD53 antigen; transmembrane4; TM=Y; SS=M; 4.66
 418735; Hs.18979; Hs.87908; Srf2-related CBP activator protein; helicase_C, AT_hook; none; TM=Y; SS=M; 4.65
 415117; AF120499; Hs.78016; poly nucleotide kinase 3'-phosphatase; Viral_Helicase; TM=M;; 4.65
 418629; BE247550; Hs.86895; growth factor receptor-bound protein 7; SH2, PH, RA; SS=M; 4.65
 426108; AA622037; Hs.166468; programmed cell death 5; DUF122; TM=M;; 4.64
 35 429283; AA019004; Hs.198396; ATP-binding cassette, sub-family A (ABC1), member 4; ABC_Itran, SRP54; TM=Y; SS=M; 4.64
 431866; L77654; Hs.271980; mitogen-activated protein kinase 6; pkinase; TM=M;; 4.63
 435049; AL122067; Hs.4748; hypothetical protein FLJ21324; none; TM=M;; 4.63
 437763; AA489369; Hs.5831; tissue inhibitor of metalloproteinase 1 (erythrokin potentiating activity, collagenase inhibitor); TIMP, pkinase, DAG_PE-bind, RBD; 4.63
 40 413436; AF238083; Hs.68061; sphingosine kinase 1; DAGK; TM=M;; 4.63
 421846; AA017707; Hs.1432; protein kinase C substrate 80K-H; effand, lbd, receptor_a, SS=M; 4.62
 442580; AI002686; Hs.130313; ESTs; none, Y_phosphatase, Band_41, connexin; 4.62
 416224; NM_002802; Hs.79088; reticulocalbin 2, EF-hand calcium binding domain; effand; SS=M; 4.62
 423740; Y07701; Hs.293007; aminopeptidase puromycin sensitive; Peptidase_M1_Armadillo_seq; 4.61
 429300; AL122061; Hs.4748; hypothetical protein PRP4 homolog; pkinase; TM=M;; 4.60
 45 427232; AW499834; Hs.327; interleukin 10 receptor, alpha; none; TM=M; SS=M; 4.60
 412942; AL120344; Hs.75074; mitogen-activated protein kinase-activated protein kinase 2; pkinase; TM=M;; 4.60
 419595; BE379320; Hs.91448; MKP-1-like protein tyrosine phosphatase; DSpC; 4.59
 417880; BE241595; Hs.82848; selectin L (lymphocyte adhesion molecule 1); EGF, lectin_c, sushi; TM=M; SS=M; 4.59
 50 411128; AA151647; Hs.68877; cytochrome b-245, alpha polypeptide; none; TM=Y; SS=M; 4.59
 434883; AW381538; Hs.19807; hypothetical protein MGC12959; SH3, PH, WW, RhoGAP; SS=M; 4.58
 447312; AI34345; Hs.36908; activating transcription factor 1; nm-24_RanBP, pkinase, GST_C, Ets; SAM_PNT, ABC2_membrane, myosin_head, IQ, Myosin_N, bZIP, zf-C2H2, PHD, BTB, TFIIS, AT_hook, SAM; TM=M;; 4.58
 435254; AW194689; Hs.30778; ESTs; pkinase, Bacterial_PQQ; none; 4.58
 55 426925; NM_001196; Hs.315689; Homo sapiens cDNA: FLJ22373 fis, clone HRC06741; Esterase, anolase, Peptidase_S9; TM=M;; 4.58
 421685; AF189723; Hs.106778; ATPase, Ca transporting, type 2C, member 1; Calcn_ATPase_C, Calcn_ATPase_N, E1-E2_ATPase, Hydrolase_XPG_N; TM=Y;; 4.58
 447827; UT3727; Hs.15178; protein tyrosine phosphatase, receptor type: U; fn3, Ig, Y_phosphatase, MAM, TM=Y; SS=M; 4.58
 427640; AF058231; Hs.180105; D-dopachrome tautomerase; COX8, SHMT, MFT, GST_C, EFTG, domain, GST_N, S1, Fz, Frizzled, calreticulin, 7tm_2, nm, PAP_assoc; TM=Y; SS=M; 4.57
 441083; AW136551; Hs.181245; Homo sapiens cDNA FLJ12532 fis, clone NT2R4000200; none, none; 4.57
 60 409581; U66243; Hs.55039; mitogen-activated protein kinase 12; pkinase; SS=M; 4.57
 423184; NM_004428; Hs.1624; ephrin-A1; Ephrin; TM=M; SS=M; 4.56
 443920; AL037764; Hs.35304; Homo sapiens cDNA FLJ13655 fis, clone PLACE1011503; none, FMO-like; 4.56
 422627; BE336857; Hs.116787; transforming growth factor, beta-induced, 68kD; Fasclin, ABC_Itran, ABC_membrane, GTP_EFTU; TM=M; SS=M; 4.56
 418869; AW516565; ; gbk010d05.x1 Soares_NHCCeC_cervical_lumbar Homo sapiens cDNA clone 3' similar to contains Alu repetitive element; contains element MER11 repetitive element.; mRNA sequence; none, RasGAP, WW, IQ; 4.56
 65 430016; NM_004738; Hs.222656; xenotropic and polytropic retrovirus receptor; SPX, EKS; TM=Y;; 4.56
 437157; BE048860; Hs.120655; ESTs; IRK; none; 4.55
 422769; AA38905; Hs.120017; olfactory receptor, family 7, subfamily E, member 38 pseudogene; none, none; 4.55
 457918; AL359590; Hs.162604; hypothetical protein DKF-Zp762M188; PLDC; TM=M;; 4.55
 434467; BE652368; Hs.231853; Homo sapiens cDNA FLJ13445 fis, clone PLACE1002962; 7tm_1; none; 4.55
 70 421140; AA298741; Hs.102135; signal sequence receptor, delta (translocation-associated protein delta); none; TM=Y; SS=M; 4.55
 406364; ; Target_ Exon; hexapep; TM=M;; 4.55
 434682; AA827165; Hs.191958; immunoglobulin superfamily receptor translocation associated 2; Ig; none; 4.54
 438939; H21012; Hs.287657; Homo sapiens cDNA: FLJ21291 fis, clone COL01963; F5_F8_type_C, pkinase, Ets; none; 4.54
 433435; BE545277; Hs.340959; Ts translational elongation factor, mitochondrial; EF_Ts, UBA;; 4.54
 75 411165; NM_000169; Hs.69089; galactosidase, alpha; Maltibiose; SS=M; 4.54
 408956; AK001868; Hs.49344; hypothetical protein FLJ11006; Ion_trans; TM=Y;; 4.54
 416847; L43821; Hs.80251; enhancer of filamentation 1 (cav-like docking; Crk-associated substrate related); SH3; TM=M;; 4.53
 410226; AI831958; Hs.61053; hypothetical protein; SH3, TPR; TM=M;; 4.53
 80 422753; AI528995; Hs.1575; small nuclear ribonucleoprotein D3 polypeptide (18kD); Sm; SS=M; 4.52
 418355; L42563; Hs.1165; ATPase, H7 transporting, nonpolaric, alpha polypeptide; E1-E2_ATPase, Calcn_ATPase_C, Calcn_ATPase_N, Hydrolase; TM=Y;; 4.52
 400261; ; Eos Control; Ig, MHC_II_beta; TM=Y; SS=M; 4.52
 444633; AF111713; Hs.286218; junctional adhesion molecule 1; Ig; TM=Y; SS=M; 4.52
 422940; BE077458; ; gbk:RC1-BT0606-090500-015-b04 BT0606 Homo sapiens cDNA, mRNA sequence; Sec7, PH, ANF_receptor, Ig Chan, WD40, IRK; 4.52

- 400303; AA242758; Hs.79136; LIV-1 protein, estrogen regulated; none,none; 4.51
 412604; AW978324; Hs.1904; protein kinase C, iota; kinase,DAG_PE-bind,phosphatase_C,OPR;TM=M; 4.51
 448533; AA311426; Hs.21635; tubulin, gamma 1; tubulin;TM=M; 4.51
 457906; AW975939; Hs.153290; Homo sapiens cDNA FLJ14318 fs, clone PLACE3000402; none,kinase; 4.51
 5 456362; AW973003; Hs.179909; hypothetical protein FLJ22995; none;TM=M; 4.51
 429590; AW956329; Hs.23721; ESTs; none,sugar_tr,ribosomal_S25; 4.50
 424618; L29472; Hs.1802; major histocompatibility complex, class II, D0 beta; Ig,MHC_JI_beta;TM=Y;SS=M; 4.50
 444823; BE262989; Hs.12045; putative protein; Mra1,MB0AT;TM=M;SS=Y; 4.50
 10 405490; ; NM_031414; Homo sapiens serine/threonine kinase 31 (STK31), transcript variant 1, mRNA; kinase,TUDOR;TM=M; 4.50
 424494; U76575; Hs.149255; phosphatidylinositol-4-phosphate 5-kinase, type I, alpha; PIP5K;SS=M; 4.50
 441031; AI110684; Hs.7645; fibrinogen, B beta polypeptide; fibrinogen_C,G-alpha,arf;TM=M;SS=M; 4.50
 443951; F13272; Hs.111334; fenton, light polypeptide; PMP22_Claudin;none; 4.50
 410423; AW402432; Hs.63499; protein tyrosine phosphatase, non-receptor type 6; SH2_Y_phosphatase,DSPc;TM=M; 4.50
 429556; AW139399; Hs.39988; ESTs; none;TM=M; 4.50
 15 458791; BE615453; Hs.346509; dedicator of cyto-kinesins 1; none;TM=Y; 4.49
 425209; AL049781; Hs.155140; caspase kinase 2, alpha 1 polypeptide; kinase,ABC1;TM=M; 4.49
 425595; NM_005401; Hs.159238; protein tyrosine phosphatase, non-receptor type 14; Y_phosphatase,Band_41,DSPc;TM=M; 4.49
 424943; AU077260; Hs.153924; death-associated protein kinase 1; ank,phosphatase,death,SRP,SRP,ribosomal_L24e,SRP54,dDENN,DENN,uDENN;TM=M; 4.49
 20 412970; AB026436; Hs.177534; dual specificity phosphatase 10; Rhodanase,DSPc;SS=M; 4.48
 400755; AA635062; Homo sapiens mRNA; cDNA DKFZp434O0515 (from clone DKFZp434O0515); zf-C3HC4,CARD,BIR;TM=M; 4.48
 425566; AW162943; Hs.250618; U16 binding protein 2; zf_recept_a,PKD,MHC_I;TM=M;SS=Y; 4.48
 410151; X15723; Hs.59242; paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein); Peptidase_S8_P;TM=Y;SS=M; 4.48
 423553; L22075; Hs.1665; guanine nucleotide binding protein (G protein), alpha f3; UCR_hinge,G-alpha,arf;TM=M; 4.48
 242711; NM_005795; Hs.152175; calcitonin receptor-like; 7tm_2,HRM;TM=Y;SS=M; 4.48
 25 427878; C05766; Hs.181022; CGI-07 protein; none,zf-C2H2; 4.48
 443991; NM_002250; Hs.10082; potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4; CaMBO,SK_channel,ion_trans;TM=Y;SS=M; 4.48
 422605; H16549; Hs.118666; hypothetical protein PP591; PAPS_reduct,MoCP,biosynth; 4.47
 410583; AW7707280; Hs.36266; ESTs; Moderately similar to JCS238 galactosylceramide-like protein, GCP [H.sapiens]; SH3,PDZ,Guanylate_kin;none; 4.47
 30 434419; AL040606; Hs.296938; dual specificity phosphatase 7; DSPc;TM=M; 4.47
 410032; BE065985; ; gb:RC3-BT0319-120200-014-a09 BT0319 Homo sapiens cDNA, mRNA sequence; abhydrolase_2,none; 4.48
 423078; M35198; Hs.123128; integrin, beta 6; Integrin_B,EGF_pp-binding;TM=Y;SS=M; 4.46
 400263; ; Eco Control; GTP_EFTU_EFG_C,GTP_EFTU_D2,serin;TM=M; 4.46
 441406; Z45957; Hs.7837; phosphoprotein regulated by mitogenic pathways; kinase;TM=M; 4.45
 35 434551; BE387162; Hs.260858; ESTs; Highly similar to A35651 DNA excision repair cross-complementing protein ERCC3 [H.sapiens]; none;TM=M; 4.45
 413227; M79082; ESTs; none,none; 4.45
 441321; H17182; Hs.7771; B-cell associated protein; Band_7;TM=M; 4.45
 457194; H20569; Hs.35406; ESTs; Highly similar to unnamed protein product [H.sapiens]; none,kinase,PBD; 4.45
 414745; AA160511; Hs.5326; amino acid system N transporter 2; porcupine; none,none; 4.45
 404276; ; NM_002944; Homo sapiens v-ros avian leukosis virus oncogene homolog 1 (ROS1), mRNA; fn3,kinase,DUF139;TM=Y;SS=M; 4.45
 425866; AI493134; ; sclerosin; DAN;TM=M;SS=M; 4.45
 408873; AL046017; Hs.182278; calmodulin 2 (phosphorylase kinase, delta); none,none; 4.44
 425486; BE178285; Hs.170058; Homo sapiens mRNA; cDNA DKFZp586B0220 (from clone DKFZp586B0220); kinase,none; 4.44
 432798; AA565309; Hs.184015; ESTs; Integrin_B,Sema,PSI,TIG;none; 4.44
 439668; AI091277; Hs.302634; frizzled (Drosophila) homolog 8; Frizzled,Fz,7tm_2,toxin_2;TM=Y;SS=M; 4.44
 45 417886; AA214584; ; ESTs; SPRY,7tm_3,ANF_receptor;none; 4.43
 452098; AI858183; ; gb:W4612x1 NOL_CGAP_U1 Homo sapiens cDNA clone 3' similar to contains Afu repetitive element; mRNA sequence; SH3,none; 4.43
 426874; NS6725; Hs.347487; ESTs; SH3,TonB_box,C;none; 4.43
 422714; AB018335; Hs.119387; KIAA0792 gene product; DUF221;TM=Y;SS=M; 4.42
 50 410741; Z11695; Hs.324473; mitogen-activated protein kinase 1; kinase;none; 4.42
 432193; AA372284; Hs.273193; hypothetical protein FLJ10706; kinase;TM=M; 4.41
 409506; NM_005153; Hs.54589; NCK adaptor protein 1; SH2,SH3;TM=M; 4.41
 429390; AB040942; Hs.201500; KIAA1508 protein; none;TM=M; 4.41
 421859; AA356620; Hs.108947; KIAA0050 gene product; ank,PH,ArfGAP;SS=M; 4.41
 55 415157; AF022813; Hs.26518; transmembrane 4 superfamily member 7; none,none; 4.41
 421748; NM_014718; Hs.107899; KIAA0728 gene product; casherin;TM=Y; 4.40
 410418; BE410972; Hs.63304; protein phosphatase methylesterase-1; none;TM=M; 4.40
 450457; AA367701; Hs.6558; KIAA1624 protein; none;TM=M;SS=M; 4.40
 433029; NM_014322; Hs.279926; openl_3 (encephaloplin); 7tm_1,Monooxygenase;TM=Y;SS=M; 4.40
 408806; H69912; Hs.48259; vaccinia related kinase 1; kinase;TM=M; 4.40
 60 421585; H95626; Hs.302043; chemokine (C-C motif) receptor-like 2; 7tm_1;TM=Y;SS=M; 4.40
 440014; AW980782; Hs.8856; ash2 (absent, small, or homootic, Drosophila, homolog)-like; SPRY,BAG,UPF0001; 4.40
 461154; AA015879; Hs.33536; ESTs; TIMP;none; 4.40
 433895; AL287912; Hs.3628; mitogen-activated protein kinase kinase kinase kinase 4; kinase,zf-C4,CNH,ERM;TM=M; 4.40
 60 420204; AC008488; Hs.333059; Ets2 repressor factor; Ets;TM=M; 4.39
 444008; AI380792; Hs.135104; ESTs; TNFR_c6,TIL;none; 4.39
 420202; BE295866; Hs.94382; adenosine kinase; kinase;TM=M; 4.39
 416207; NM_014745; Hs.79077; Homo sapiens, clone MCC2908, mRNA, complete cds; none;TM=Y;SS=M; 4.39
 417655; AA780791; Hs.14014; hypothetical protein FLJ14813; kinase,kinase_C;TM=M; 4.39
 70 402915; ; ENSP0000202587; bicarbonate transporter-related protein BTR1; HCO3_cofresp;TM=Y;; 4.39
 453199; AJ336260; Hs.32353; mitogen-activated protein kinase kinase kinase kinase 4; kinase;TM=M; 4.38
 416033; NM_012201; Hs.789797; Golgi apparatus protein 1; cys_rich_FGFR;TM=Y;SS=M; 4.38
 453672; U73531; Hs.34526; G protein-coupled receptor; 7tm_1;TM=Y;SS=M; 4.38
 437852; BE001636; Hs.236897; ESTs; Weakly similar to dJ365O12.1 [H.sapiens]; GPS,7tm_2;TM=Y;; 4.38
 420039; NM_004605; Hs.94581; sulfotransferase family, cytosolic, 29, member 1; Sulfotransfer;SS=M; 4.38
 75 412834; R77123; Hs.79881; Homo sapiens cDNA: FLJ23008 fs, clone LNG00414; 7tm_1;none; 4.38
 452203; X57522; transporter 1, ATP-binding cassette, sub-family B (MDR/TAP); ABC_tran,ABC_membrane,SRP54,Thymidylate_kin;TM=Y;SS=M; 4.37
 425317; AW205118; Hs.210546; interleukin 21 receptor; none;TM=Y;SS=M; 4.37
 432945; AL043653; Hs.8173; hypothetical protein FLJ10803; none;TM=M;SS=M; 4.37
 80 424028; AF055084; Hs.153692; Homo sapiens cDNA FLJ14354 fs, clone Y79AA10013B4, highly similar to Homo sapiens very large G-protein coupled receptor-1 (VLGR1) mRNA; none,none; 4.37
 434071; AF116653; Hs.34192; Homo sapiens PRO0823 mRNA, complete cds; none;TM=M; 4.37
 412586; AA161219; Hs.799; diphtheria toxin receptor (neurin-binding epidermal growth factor-like growth factor); EGF;TM=Y;SS=M; 4.36
 440270; NM_015986; Hs.7120; cytokine receptor-like molecule 9; fn3;SS=M; 4.36

- 432987; AI864771; Hs.27954; CD86 antigen (CD28 antigen ligand 2, B7-2 antigen); none; TM=Y; SS=M; 4.36
- 436943; AA773838; Hs.5353; caspase 10, apoptosis-related cysteine protease; ICE_p10/ICE_p20DED; TM=M; 4.36
- 457897; AI356125; Hs.345168; ESTs, Weakly similar to HXA2_HUMAN HOMEOBOX PROTEIN HOX-A2 [H.sapiens]; homeobox; NA; NA; 4.36
- 406671; AI129547; Hs.285754; met proto-oncogene (hepatocyte growth factor receptor); Sema,phosphatase,TIG,PSI; none; 4.36
- 5 413969; X10434; Hs.75648; phosphatidylserine C, gamma 2 (phosphatidylinositol-specific); SH2,SH3,C2,PH,PI-PLC-Y,PI-PLC-X,PDGF; SS=M; 4.35
- 408101; AW966504; Hs.123073; CDC2-related protein kinase 7; none; none; 4.35
- 414029; BE237731; Hs.75709; mannose-6-phosphate receptor (cation dependent); Man-6-P_recep; TM=M; SS=M; 4.35
- 425069; AA687455; Hs.298184; potassium voltage-gated channel, shaker-related subfamily, beta member 2; aldo_ket_red; none; 4.35
- 10 438937; AW952654; Hs.244624; ESTs; EPH_lbd,phosphatase,fn3,SAM; none; 4.35
- 412584; X54870; Hs.74085; DNA segment on chromosome 12 (unkne) 2489 expressed sequence; none; lectin_c; 4.35
- 436540; BE397032; Hs.14468; hypothetical protein MGC14226; nm,7tm_1,SNF; TM=M; 4.35
- 432627; N23797; Hs.110114; ESTs; none; Syja_N_Exo_endo_phos; 4.34
- 405616; ; Target Exon; none; SH3,BAR; 4.34
- 15 432141; BE410964; Hs.272728; nuclear receptor binding protein; phosphatase; TM=M; 4.33
- 417927; R73095; Hs.24122; ESTs; none; phosphatase; 4.33
- 429849; U33053; Hs.2499; protein kinase C-like 1; phosphatase,phosphatase_C,HR1; TM=M; 4.33
- 425743; BE396495; Hs.159428; BCL2-associated X protein; Bcl-2; TM=Y; 4.33
- 453863; X02544; Hs.572; orosomucoid 1; lipocalin,afedh,ubiquitin,IRK; SS=M; 4.33
- 20 400847; ; NM_0031657; Homo sapiens sortilin-related receptor, L(DLR class) A repeats-containing (SORL1); mRNA; EGF_fn3,ldl_recept_a,ldl_recept_b,grnulin,BRN; TM=Y; SS=M; 4.33
- 414914; U49844; Hs.77613; atada telangectasia and Rad3 related; FAT,FATC,P13_P14_kinase; TM=M; 4.33
- 413858; NM_001610; Hs.76589; acid phosphatase 2, lysosomal; acid_phosphatase; TM=Y; SS=M; 4.33
- 442539; AL119506; Hs.58220; Homo sapiens cDNA: FLJ23005 fis, clone LNG00396, highly similar to AF055023 Homo sapiens clone 24723 mRNA sequence; RasGAP,adenylate; kinase; 4.33
- 25 419607; R52557; Hs.91679; Homo sapiens clone 23783 mRNA sequence; IMP4; TM=M; 4.32
- 436703; AW880614; Hs.146381; RNA binding motif protein, X chromosome; nm,SH3,PH,CH,RhoGEF; 4.32
- 414899; AW875433; Hs.36288; ESTs; phosphatase,SH2,SH3; none; 4.32
- 444985; AI674383; Hs.22891; solute carrier family 7 (cationic amino acid transporter, y system), member 6; ASC,death,TNFR_c6; 4.31
- 30 415135; AW673559; Hs.78040; KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1; ER_lumen_recept; none; 4.31
- 444070; NM_015367; Hs.10267; MIL1 protein; Bcl-2; TM=Y; 4.31
- 422611; AA158177; Hs.118722; fucosyltransferase B (alpha 1,6 fucosyltransferase); SH3,K-box; TM=M; SS=Y; 4.31
- 437162; AW005503; Hs.5464; thyroid hormone receptor coactivating protein; bromodomain; TM=M; 4.30
- 440983; M26681; Hs.7594; solute carrier family 2 (facilitated glucose transporter), member 3; sugar_lr; TM=Y; SS=M; 4.30
- 35 414080; AA135257; Hs.47783; B aggressive lymphoma gene; Atpp; TM=M; 4.30
- 415072; BE253687; Hs.77876; Homo sapiens, clone IMAGE3461982, mRNA, partial cds; Metallophos,Armadillo_seg; TM=M; 4.30
- 442994; AI026718; Hs.16954; ESTs; ank,phosphatase,death,Ribosomal_S14; 4.30
- 432328; AI052739; Hs.19548; 2'-6-phosphofructo-2,6-biphosphatase 3; PGAM,6PF2K; TM=M; 4.29
- 439490; AW249197; Hs.100043; ESTs, Weakly similar to A45302 PTB-associated splicing factor, long form [H.sapiens]; none; TM=M; 4.29
- 40 422005; BE286558; Hs.110702; Homo sapiens mRNA; cDNA DKFZp761E212 (from clone DKFZp761E212); none; Na_H_Exchanger; 4.29
- 415212; AA445236; Hs.125124; EphB2; fn3,phosphatase,SAM,EPH_lbd; TM=Y; SS=M; 4.29
- 430316; NM_000875; Hs.239176; insulin-like growth factor 1 receptor; fn3,Furin-like,phosphatase,Recep_L_domain; TM=M; SS=M; 4.29
- 429099; BE139952; Hs.196177; phosphorylase kinase, gamma 2 (testis); phosphatase,Bac_DNA_binding; TM=M; 4.29
- 425843; BE313280; Hs.159627; death associated protein 3; myb_DNA-binding,PAH,BAH,bromodomain,PHD,SET; TM=M; 4.28
- 45 437603; AW979259; Hs.293673; ESTs; death; none; 4.28
- 439975; AW328081; Hs.6817; inosine triphosphatase (nucleoside triphosphate pyrophosphatase); Ham1p_Jlk; TM=M; 4.28
- 424512; X53002; Hs.149846; integrin, beta 5; integrin_B,EGF; TM=Y; SS=M; 4.28
- 442980; AA857025; Hs.8878; Kinesin-like 1; kinesin,Lureo_ORF3,DUF164; TM=M; 4.28
- 420168; AW732276; Hs.95583; transmembrane 4 superfamily member 7 (epicanin NET-7); transmembrane4; TM=Y; SS=M; 4.27
- 409582; R27430; Hs.271565; ESTs; none; Neur_chan_LBD,Neur_chan_memb; 4.27
- 50 439096; AA830185; ; ESTs; ras; none; 4.27
- 414561; AI064813; Hs.195155; Homo sapiens amino acid transport system N2 (SN2) mRNA, complete cds; Aa_inans; TM=Y; 4.27
- 411835; U29343; Hs.72550; hyaluronan-mediated motility receptor (RHAMM); b2IP; SS=M; 4.27
- 428781; AF164798; Hs.193384; putative 28 kDa protein; phosphatase,DAG_PE-bind,phosphatase_C,OPR; SS=M; 4.27
- 55 430603; AA148164; Hs.247280; HBV associated factor; zf-C3HC4_zf-RanBP,phosphatase; 4.27
- 415149; X12451; Hs.78056; cathepsin L; Peptidase_C1; SS=M; 4.26
- 444838; AV651680; Hs.208558; ESTs; Integrin_A_FG-GAP; none; 4.26
- 402328; ; Target_Exon; phosphatase; TM=M; 4.26
- 60 416094; AW985512; Hs.225977; nuclear receptor coactivator 3; none; none; 4.26
- 420942; Hs03514; Hs.15589; ESTs; none; phosphatase; 4.26
- 453902; BE502341; Hs.3402; ESTs; none; none; 4.26
- 425505; AL038458; gb:DKFZp564D2062_r1_584 (synonym: htr2) Homo sapiens cDNA clone DKFZp564D2062 5'; mRNA sequence; arf,G-alpha; none; 4.26
- 427344; NM_008659; Hs.2142; 5-hydroxytryptamine (serotonin) receptor 3A; Neur_chan_LBD,Neur_chan_memb; TM=Y; SS=M; 4.26
- 432269; NM_002447; Hs.2942; macrophage stimulating 1 receptor (c-met-related tyrosine kinase); phosphatase,Sema,PSI,TIG,A4_EXTRA; TM=M; SS=M; 4.26
- 65 417007; AF224741; Hs.80768; chloride channel 7; C6S,voltage_CLC; TM=Y; 4.26
- 447960; AW954377; Hs.26412; ring finger protein 28; zf-C3HC4; TM=Y; SS=M; 4.26
- 442300; AI765908; Hs.129166; ESTs; none; M; 4.25
- 421856; NM_016447; Hs.108931; MAGUK protein p56; Protein Associated with Lins 2; SH3,PDZ,Guanylate_kinase,L27; TM=M; 4.25
- 452110; T47667; Hs.28005; Homo sapiens cDNA FLJ11309 fis, clone PLACE1010078; phosphatase,Activin_recep; none; 4.25
- 70 422451; AA310753; Hs.42491; ESTs, Weakly similar to S665857 alpha-1C-adrenergic receptor splice form 2 [H.sapiens]; PDZ,SH2,STAT,STAT_bind,STAT_prot; none; 4.25
- 453955; AW579207; Hs.304866; ESTs, Weakly similar to 176885 ceritin/line-specific protein kinase [H.sapiens]; fn3,ig,NAM; none; 4.25
- 457670; AF119666; Hs.23449; insulin receptor tyrosine kinase substrate; SH3; TM=M; 4.25
- 419133; U46116; Hs.89627; protein tyrosine phosphatase, receptor type, C; fn3,Y_phosphatase,carb_enzyme,DSPC; TM=Y; SS=M; 4.25
- 419660; BE280337; Hs.194693; solute carrier family 7 (cationic amino acid transporter, y system), member 7; sq_permeases; TM=Y; SS=M; 4.25
- 75 415198; AW009480; Hs.943; natural killer cell transcript 4; none; TM=M; 4.24
- 416440; AI823912; Hs.79335; Homo sapiens, Similar to SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1, clone MGC:15280, mRNA, complete cds; SWI; TM=M; 4.24
- 419169; AW851980; Hs.262346; ESTs, Weakly similar to S72482 hypothetical protein [H.sapiens]; none; spectrin,SH3,PH,CH; 4.24
- 449444; AW818436; Hs.23590; solute carrier family 16 (monocarboxylic acid transporters), member 4; none; TM=Y; SS=M; 4.24
- 433848; AF057119; Hs.93764; carboxypeptidase A4; Zn_carbOpep,Propep_M14; SS=M; 4.24
- 80 442213; N36110; Hs.305971; solute carrier family 2 (facilitated glucose transporter), member 10; sugar_lr; TM=Y; SS=M; 4.24
- 412681; AW983655; Hs.172004; titin; fn3,ig,SGXXSG,phosphatase; TM=M; 4.24
- 424653; AW977534; Hs.151469; calcium/calmodulin-dependent serine protein kinase (MAGUK family); none; none; 4.24
- 421066; AU076725; Hs.101408; branched chain aminotransferase 2, mitochondrial; aminotran_4; 4.23

- 428338; AF147765; Hs.232093; ESTs; fn2,CIMR;TM=M;SS=M; 4.23
 443329; BE262943; Hs.9234; hypothetical protein MGC1930; none;TM=Y;SS=M; 4.23
 432314; AA533447; Hs.312989; ESTs; Xlink;none; 4.23
 434608; AA805443; Hs.179099; hypothetical protein FLJ22995; none;TM=M; 4.23
 5 454166; AW993356; Hs.285814; sprouty (Drosophila) homolog 4; SH2,SH3;TM=M;SS=M; 4.23
 442896; AI457102; Hs.347970; Human glucose transporter pseudogene; none;none; 4.23
 442549; AI751601; Hs.8375; TNF receptor-associated factor 4; MATH, zf-TRAF, zf-C3HC4;SS=M; 4.22
 424154; AF026004; Hs.141660; chloride channel 2; voltage_GLC,CBS,EPO_TPO,PC_rep; 4.22
 433419; AI830342; Hs.211272; ESTs; transmembrane4;none; 4.22
 10 421921; H83363; Hs.6820; translocase of inner mitochondrial membrane 10 (yeast) homolog; zf-Tim10_DDP,efhand,CH,spectrin,serpin;TM=M; 4.22
 445633; AI453386; Hs.17287; ESTs; Weakly similar to S29689 hypothetical protein hc1 - mouse [M.musculus]; IRK;none; 4.22
 424812; AF059252; Hs.153299; DOM-3 (C. elegans) homolog Z; none;TM=M; 4.22
 410568; BE379794; Hs.65403; hypothetical protein; death; TNFR_c6;TM=Y;SS=M; 4.22
 15 416638; N32536; Hs.42645; solute carrier family 16 (monocarboxylic acid transporters), member 6; none;none; 4.22
 418959; W33191; Hs.28907; hypothetical protein FLJ20258; SH3;TM=M; 4.21
 447200; BE543146; Hs.281434; Homo sapiens cDNA FLJ14028 fis; clone HEMBA100383; none;none; 4.21
 400208; ; Ecs Control; FCH,RhoGAP,SH3;TM=M;; 4.21
 405369; ; NM_005569; Homo sapiens LIM domain kinase 2 (LIMK2), transcript variant 2a, mRNA.; pkinase,LIM,PDZ;SS=M; 4.21
 445350; AF052112; Hs.12540; lysophospholipase I; abbhydrolase_2;TM=M; 4.21
 20 441208; AI339704; Hs.150401; ESTs; Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens];
 ion_trans,RYDR_ITPR,MIR;none; 4.21
 427217; AA399272; Hs.144341; ESTs; ANP,CHMP_kinases;none; 4.21
 400845; ; NM_003105; Homo sapiens sortilin-related receptor, LQDLR class) A repeats-containing (SORL1), mRNA.;
 EGF_fn3_idl_recept_a_idl_recept_b,granulin,BNR;TM=Y;SS=M; 4.21
 25 422667; H25642; ; ESTs; FMO-like;FMO-like; 4.21
 450056; BE047394; Hs.8208; ESTs; Weakly similar to S71512 hypothetical protein T2 - mouse [M.musculus];
 ABC_Iran,ABC_membrane,ig,MHC_II_beta,SRP54,proteasome,ABC_membrane,ABC_trans; 4.20
 440950; AF288687; Hs.9275; CGI-152 protein; E1-E2_ATPase_Hydrolase;TM=Y;; 4.20
 408634; AW407254; Hs.182278; catenulin 2 (phosphorylase kinase, delta); none;none; 4.20
 422335; AA375957; Hs.6682; solute carrier family 7, (cationic amino acid transporter, y system) member 11; none;none; 4.20
 426754; NM_014264; Hs.172052; serine/threonine kinase 18; pkinase;TM=M; 4.20
 435810; BE349853; Hs.2785; keratin 17; zf-Tim10_DDP,SH2,SH3,pkinase,PH,BTK,Ribosomal_L44; 4.20
 448143; BE245342; Hs.306079; sec61 homolog; NUDDX,secY,E1_dehydrog,transket_pyr;TM=Y;SS=M; 4.20
 426626; AI124572; Hs.323879; inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma; zf-C2H2;TM=M; 4.20
 30 403716; ; Target Exon_Adcp_comp_sub,PDZ,DEP,DIX,Dishavelled,hexapep,W2,ABC_Iran; 4.19
 415749; BE262529; Hs.76771; phosphoglycerate kinase 1; PGK;none; 4.19
 434599; AB002313; Hs.3989; plakin B2_PSI_Sema,TIG;NA;NA; 4.19
 412600; L28824; Hs.74101; spleen tyrosine kinase; SH2,pkinase;; 4.19
 416738; N29218; Hs.40290; ESTs; ABC_Iran,ABC_membrane;none; 4.19
 401039; BE269047; Hs.65234; hypothetical protein FLJ20596; DEAD,helicase,C,PRK,AP3;TM=M; 4.19
 431385; BE178536; Hs.11030; membrane-spanning 4-domains, subfamily A, member 7; none;none; 4.19
 407035; AA175284; gknv35103.1 NCL_CGAP_B5 Homo sapiens cDNA clone similar to contains Alu repetitive element, mRNA sequence; pkinase,integrin_B,Sema,PSI,TIG,none;
 4.18
 45 452800; AA029332; Hs.87549; ESTs; none,integrin_B; 4.18
 428245; AF151048; Hs.183180; emaphase promoting complex subunit 11 (yeast APC11 homolog); none;SS=M; 4.18
 421954; X73079; Hs.288579; polymeric immunoglobulin receptor; ig,Cobalamin_bind;TM=M;SS=M; 4.18
 409213; UB1412; Hs.51133; PTK6 protein tyrosine kinase 6; SH2,SH3,pkinase;TM=M; 4.18
 421790; AW896201; Hs.22654; sodium channel, voltage-gated, type I, alpha polypeptide; ion_trans,IQ,PEP-utilizers_C;TM=Y;; 4.18
 429668; AA626142; Hs.179991; ESTs; Weakly similar to S28942 protein kinase C [H.sapiens]; none;none; 4.18
 50 443088; AI188710; ; ESTs; Endonuclease,pkinase,Activin_recpt;none; 4.18
 418827; BE532731; Hs.47166; HT021; none;TM=M; 4.18
 447877; AA114050; Hs.19949; caspase 8, apoptosis-related cysteine protease; ICE_p10,ICE_p20,DED;TM=M; 4.18
 429109; AL008637; Hs.196352; neutrophil cytosolic factor 4 (40kD); SH3,OPR,PXT;TM=M; 4.18
 55 422083; NM_001141; Hs.111256; arachidonate 15-lipoxygenase, second type; none;none; 4.18
 438974; AF089816; Hs.6454; chromosome 19 open reading frame 3; PDZ;SS=M; 4.18
 413407; AI356293; Hs.75339; inositol polyphosphate phosphatase-like 1; SH2,SAM,Exo_endo_phos;SS=M; 4.18
 424954; NM_000546; Hs.1846; tumor protein p53 (Li-Fraumeni syndrome); P53,WD40,RK;TM=M; 4.17
 421836; AF109219; Hs.108787; phosphatidylinositol glycan class N; none;none; 4.17
 60 431544; AK000770; Hs.298329; Homo sapiens cDNA FLJ20763 fis, clone C0D9911; none;none; 4.17
 419781; JO5272; Hs.850; IMP (inosine monophosphate) dehydrogenase 1; CBS,IMPDH_C,IMPDH_N,NPD;TM=M;; 4.17
 452012; AA307703; Hs.279766; kinesin family member 4A; kinesin, DNA_topoloV,K-box;TM=M; 4.17
 425603; U52112; Hs.159331; retin-binding protein; none; 4.18
 416181; AA398045; Hs.104679; ESTs; Fubin-like,pkinase,Recept_L_domain,fr3;none; 4.16
 65 402447; ; C1000201;gi|204416|gb|AA026277|1| (L05195) fructose transporter [Raltalus norvegicus] gi|44; none;TM=Y;SS=M; 4.16
 452875; BE275760; Hs.30828; DNA segment on chromosome 19 (unique) 1177 expressed sequence; Euk_porf;TM=M;SS=M; 4.15
 426395; BE151985; Hs.5722; hypothetical protein FLJ23316; pkinase;none; 4.15
 404140; ; NM_006510; Homo sapiens ret finger protein (RFP), transcript variant alpha, mRNA.; zf-C3HC4,SPRY,zf-B_box;SS=M; 4.15
 432268; BE311855; Hs.274230; 3'-phosphoadenosine 5'-phosphosulfatase synthase 2; APS_kinase,ATP-sulfurylase;TM=M;; 4.15
 70 405516; ; ENSP0000200457;Thyroid receptor interacting protein 6 (TRIP6) (OPA-interacting protein 1) (Zyxin related protein 1) (ZRP-1); UIM;TM=M;; 4.15
 448390; AL035414; Hs.21068; hypothetical protein; FGGY_C;TM=M;; 4.15
 435732; AF229178; Hs.123136; leucine rich repeat and death domain containing protein; none;none; 4.15
 414108; AI287592; Hs.75781; SFRS protein kinase 1; ank,PH,Oxysterol_BP,pkinase;TM=M;; 4.15
 411550; AA102670; Hs.70725; gamma-aminobutyric acid (GABA) A receptor, pi; Neur_chan_LBD,Neur_chan_memb;TM=Y;SS=M; 4.14
 75 424339; BE257148; Hs.145416; endoglycan; none;TM=Y;SS=M; 4.14
 427274; NM_005211; Hs.174142; colony stimulating factor 1 receptor, formerly McDonough feline sarcoma virus (v-fms) oncogene homolog; Ig,pkinase;TM=Y;SS=M; 4.14
 440524; R71264; Hs.16798; ESTs; SH3,g,pkinase,PH,spectrin,RhoGEF;none; 4.14
 435115; AW512033; Hs.102004; ESTs; pkinase;none; 4.14
 447050; NM_016314; Hs.17200; STAM-like protein containing SH3 and ITAM domains 2; SH3,VHS,UIM;SS=M; 4.14
 80 418529; AW005685; Hs.250897; TRX-fused gene; Band_41,ERM,pkinase,LRR,LRRCT,MAM,Nucleoplasmin,Tropomyosin,OPR,filament,bZIP,G-gamma,M,DUF164;TM=M;; 4.14
 420727; H75701; Hs.99886; complement component 4-binding protein, beta; sush;SS=M; 4.14
 433075; NM_002959; sortilin 1; Exo_endo_phos,Atrophin-1,BNR,Klatch;TM=M;; 4.14
 422783; AA598956; Hs.120439; ethanolamine kinase; Choline_kinase;TM=Y;; 4.14
 410726; AI623859; Hs.15936; ESTs; pkinase,pro_isomerase;none; 4.14

- 417903; NM_002342; Hs.1116; lymphotxin beta receptor (TNFR superfamily, member 3); TNFR_c6; TM=M; SS=M; 4.14
 428307; W27393; Hs.183648; protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (lifrin), alpha 1; SAM,SH3,HS1_rep; 4.14
 442434; AA995787; Hs.129583; ESTs; IRK,none; 4.13
 439361; AA805666; Hs.146217; Homo sapiens cDNA: FLJ23077 fs, clone LNG05840; pkinase,pkinase_C,none; 4.13
 5 445580; AF167572; Hs.12912; skt1 (S. pombe) homolog; none; SS=M; 4.13
 421425; AK015564; Hs.104222; hypothetical protein FLJ10702; eif4g,kazf1,arf1,ras,7m_1; TM=M; 4.13
 400252; NM_004651; Homo sapiens ubiquitin specific protease 11 (USP11), mRNA. substrate 1 (PTPN1), mRNA; UCH-1,UCH-2; TM=M; 4.13
 446641; AL049229; Hs.15787; Homo sapiens mRNA; cDNA DKFZp564O1016 (from clone DKFZp564O1016); none,pkinase,PBD; 4.13
 10 400209; NM_001666; Homo sapiens Rho GTPase activating protein 4 (ARHgap4), mRNA. VERSION NM_000803.2 G; FCH,RhoGAP,SH3; TM=M; 4.13
 429012; AWE29596; Hs.194726; BCL2-associated athanogene 4; Sm,BAG; SS=M; 4.13
 418126; AW947946; Hs.26702; CG1-121 protein; none,DSpc; 4.13
 423189; MS9371; Hs.171596; EphA2; fn3,pkinase,SAM,EPH_1b; TM=Y; SS=M; 4.12
 413934; U03056; Hs.75619; hyaluronoglucosaminidase 1; integrin_B,Glyco_hydro_56; SS=M; 4.12
 15 414874; D26351; Hs.77515; inositol 1,4,5-triphosphate receptor, type 3; ion_trans,MIR,RVDR_JTPR; TM=Y; 4.12
 432047; NM_016247; Hs.272380; interphotoreceptor matrix proteoglycan 200; EGF,SEA; TM=Y; SS=M; 4.12
 451820; AW958367; Hs.199246; ESTs; 7m_1; TM=Y; SS=M; 4.12
 445515; BE388665; Hs.179999; Homo sapiens, clone IMAGE:3457003; mRNA; zf-C2H2,BTB,K_letr,WD40,Syntaxin; 4.12
 424539; L02911; Hs.150402; Activin A receptor, type I (ACVR1) (ALK-2); pkinase,Activin_recp; TM=M; SS=M; 4.12
 20 405110; C7000199; qj12643960; qj12643960; HUMAN DIACYLGLYCEROL KINASE, BETA (DIGLYCERIDE KINASE) :: none,none; 4.12
 441026; AW179056; Hs.99858; ribosomal protein L7a; pkinase,LRR,LRRCT,Ribosomal_L7a; none; 4.11
 433142; AL696513; Hs.108705; protein phosphatase 2 (formerly PTP 2A), regulatory subunit A (PR 65), beta isoform; HEAT,Vitelogenin_N,HEAT_PBS; SS=M; 4.11
 450505; NM_004572; Hs.25051; plakophilin 2; Armadillo_seg; TM=M; 4.11
 459801; AL044470; Hs.270604; ESTs; Weakly similar to ALU7_HUMAN ALU SUBFAMILY SQ SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; none,SH3,PGAM,UBA; 4.10
 25 417300; AL765227; Hs.55610; solute carrier family 30 (zinc transporter), member 1; Cation_efflux; TM=Y; SS=M; 4.10
 427315; AA173949; Hs.175563; Homo sapiens mRNA; cDNA DKFZp564N0763 (from clone DKFZp564N0763); none,spectrin,SH3,PH,CH; 4.10
 416239; AL038450; Hs.48949; ESTs; E1-E2_ATPase,Cation_ATPase_C,Cation_ATPase_N; hydrolase; none; 4.10
 429311; AF080157; Hs.198998; conserved helix-loop-helix ubiquituous kinase; pkinase; none; 4.10
 412146; M92444; Hs.73722; APEX nuclease (multifunctional DNA repair enzyme); Exo_endo_phos,Atrofin-1,BNR,Kelch; TM=M; 4.10
 30 418420; AW604405; Hs.324874; hypothetical protein MGC3079; Phosphodiester; TM=Y; 4.10
 434398; AA632270; Hs.162851; Homo sapiens cDNA FLJ14317 fs, clone PLACE3000401; pkinase; none; 4.10
 454438; AA224053; Hs.172405; cell division cycle 27; SPRY,7m_1,3,ANF_receptor; 4.10
 439578; AW263124; Hs.315111; nuclear receptor co-repressor/HDAC3 complex subunit WD40; TM=M; 4.10
 451995; AL827431; Hs.224645; ESTs; Weakly similar to IF16_HUMAN GAMMA-INTERFERON-INDUCIBLE PROTEIN IF16 [H.sapiens]; none,PAAD_DAPI,HIN; 4.10
 35 420340; NM_000734; Hs.97087; CD9Z antigen, zeta polypeptide (ITIM3 complex); ITAM; TM=M; SS=M; 4.10
 442942; AW167087; Hs.131582; ESTs; pkinase; none; 4.09
 428187; AL687303; Hs.285529; G protein-coupled receptor 49; 7m_1; none; 4.09
 418838; AW385224; Hs.35198; endonucleotide pyrophosphatase/phosphodiesterase 5 (putative function); Phosphodiester; TM=Y; SS=M; 4.09
 40 416445; AL043004; Hs.79337; KIAA0135 protein; pkinase,PAB; TM=M; 4.08
 427001; NM_006482; Hs.173135; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2; pkinase; TM=M; 4.08
 403606; C3001199; qj12643961; hypothetical protein B02826 - *Ceutorhynchus elopersi*|41; 7m_1,7m_2,GPS,WIF; TM=Y; SS=M; 4.08
 427177; AB006537; Hs.173880; Interleukin 1 receptor accessory protein; Ig,TIR; TM=Y; SS=M; 4.08
 401241; AB028989; mitogen-activated protein kinase 8 interacting protein 3; Cys_knot,TGF-beta,ww,ww,ww,til,DUF139; SS=M; 4.07
 444807; AB087899; Hs.12017; homolog of yeast ubiquitin-protein ligase Rsp5; potential epithelial sodium channel regulator; WW,HECT,RNA_pol_A; none; 4.07
 45 448888; AW198663; Hs.200242; caspase recruitment domain protein 6; CARD; TM=M; 4.06
 426006; R49031; Hs.22627; ESTs; pkinase,TBC; 4.06
 434521; NM_002267; Hs.3886; keratophenin alpha 3 (Importin alpha 4); Armadillo_seg,IBB; TM=M; 4.06
 408761; AA057284; Hs.238936; ESTs; Weakly similar to (define not available 7495841) [C.elegans]; 7m_1; none; 4.05
 425289; AW139342; Hs.155530; interferon, gamma-inducible protein 16; PAAD_DAPI,HIN; SS=M; 4.05
 50 413109; AW389845; Hs.110855; ESTs; PHO4; none; 4.05
 426457; AW894667; Hs.189985; chitinase (chitinase); DAG_PE-bind,RhoGAP,SH2; TM=M; 4.05
 435730; AB020635; Hs.4984; KIAA0628 protein; AdoHcyase,TrkA-N,2-Hackt_DH_C; TM=M; 4.04
 429747; MB7607; Hs.2490; caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase); CARD,ICE_p10,ICE_p20; SS=M; 4.04
 55 444378; R41399; Hs.12569; ESTs; Ig,pkinase,LRR,LRRNT,LRRCT; none; 4.04
 449843; R85337; Hs.24030; solute carrier family 31 (copper transporters), member 2; none; TM=Y; SS=M; 4.04
 427359; AW020782; Hs.79881; Homo sapiens cDNA: FLJ23006 fs, clone LNG00414; 7m_1; none; 4.04
 413095; AA494359; Hs.30715; potassium voltage-gated channel, Isk-related family, member 3; none,START; 4.04
 418540; AJ821597; Hs.90877; ESTs; Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; ank,CAP,GLY,7m_1; 4.03
 60 442007; AA301116; Hs.142838; nuclear phosphoprotein Nopp34; trm,IRK; SS=M; 4.02
 446659; AF191838; Hs.21712; TANK-binding kinase 1; pkinase; TM=M; 4.02
 412935; BE267045; Hs.75084; tubulin-specific chaperone 1; none; 4.02
 414844; AA296374; Hs.77494; deoxyguanosine kinase; dNKP; 4.02
 445817; NM_003642; Hs.13340; histone acetyltransferase 1; none; TM=M; 4.02
 65 426728; NM_007116; Hs.171957; triple functional domain (PTPRF interacting); SH3,Ig,pkinase,PH,spectrin,RhoGEF; TM=M; 4.02
 420876; AF143780; Hs.4249; wav 2 oncogene; RhoGEF,PH,CH,SH2,SH3,DAG_PE-bind; none; 4.02
 405102; C16001220; qj12643960; HUMAN breast cancer nuclear receptor-binding auxil; DAG_PE-bind,PH,RhoGEF,DC1; SS=M; 4.02
 439964; AJ732902; Hs.124652; Homo sapiens cDNA FLJ12376 fs, clone MAMMA1002494; pkinase; none; 4.01
 429580; AL035754; Hs.2474; toll-like receptor 1; LRR,LRRCT,TIR; TM=M; SS=M; 4.01
 50 453991; AB397761; Hs.36353; Homo sapiens mRNA full length insert cDNA clone EORIAGE 1035904; none,none; 4.01
 426535; AU077012; Hs.286582; ESTs; Weakly similar to ubiquitin TPR motif, Y isoform [H.sapiens]; Kunitz_BPTI,Kunitz_BPTI,7m_2,HRM; 3.99
 424232; AB015982; Hs.143460; protein kinase C, nu; pkinase,DAG_PE-bind,PH; TM=M; 3.99
 408308; AL033377; Hs.44197; hypothetical protein DKFZp564D0462; none,none; 3.98
 449517; AW500108; Hs.23643; serine/threonine protein kinase MASK; pkinase; TM=M; 3.98
 75 404185; Target_Exon; sugar_Ir; TM=Y; SS=M; 3.98
 441225; BE663042; Hs.118820; Homo sapiens, Similar to RIKEN cDNA 0610012G03 gene, clone MGC:14132, mRNA, complete cds; none; TM=M; 3.98
 429638; AJ916662; Hs.211577; kinase 1 (kinase receptor); bZIP,Tropomyosin,spectrin,LBP_BPL,CETP,B56,M; TM=Y; SS=M; 3.97
 417388; AL037228; Hs.82043; D123 gene product; NUDIX,secY,E1_dehydrog,transket_pyruvate; TM=Y; SS=M; 3.97
 452721; AJ269529; Hs.304871; solute carrier family 37 (glycerol-3-phosphate transporter), member 1; MORN,sugar_Ir; TM=Y; SS=M; 3.96
 80 417183; R52089; Hs.1727717; ESTs; pkinase,LRRCT,Ig,LRR,LRRNT; none; 3.95
 439176; AJ446444; Hs.190394; ESTs; Weakly similar to B28096 line-1 protein ORF2 [H.sapiens]; none; TM=M; 3.94
 424490; AJ278016; Hs.55565; ankyrin repeat domain 3; ank,pkinase; TM=M; 3.94
 422610; AF153820; Hs.1547; potassium inwardly-rectifying channel, subfamily J, member 2; IRK; TM=Y; 3.94

- 450746; D82673; Hs.278589; general transcription factor II, I; none,SH3,PX; 3.94
 418516; NM_006218; Hs.B5701; phosphoinositide-3-kinase, catalytic, alpha polypeptide; PI3_P14_kinase,PI3Ka,PI3K_C2,PI3K_rbd,PI3K_p85B; none; 3.94
 414217; AI309288; Hs.279898; Homo sapiens cDNA: FLJ23165 (is, clone LNG09846; none;NA/NA; 3.93
 416537; T99086; Hs.144904; nuclear receptor co-repressor 1; myb_DNA-binding, RNA_pol_A; none; 3.93
 5 450747; AI064921; Hs.318535; ESTs; Highly similar to 1818357A EWS gene [H.sapiens]; nm,zf-RanBP,GAS2; 3.93
 444825; AW167613; mitogen-activated protein kinase kinase kinase 8; kinase; TM=M; 3.93
 408354; AI382803; Hs.159235; ESTs; none,none; 3.93
 453945; NM_005171; Hs.36908; activating transcription factor 1; nm,zf-RanBP,kinase,GST_C,Ets,SAM_PNT,ABC2_membrane,myosin_head,IQ,Myosin_N,bZIP-zf-C2H2,PHD,BTB,TFIIS,AT_hook,SAM;TM=M; 3.93
 10 428632; AF157326; Hs.184786; TBP-Interacting protein; Armadillo_seg,VHS,HEAT;TM=M; 3.92
 413657; AW204431; Hs.117833; ESTs; Weakly similar to 180222 hypothetical protein [H.sapiens]; Armadillo_seg,IBB,PHD,DDT;none; 3.91
 415906; AI751357; Hs.286741; Homo sapiens cDNA: FLJ22255 (is, clone HRC02860; Ephrin;none; 3.91
 450139; AK000183; Hs.296323; serum/glucocorticoid regulated kinase; none,none; 3.91
 440255; AI932285; Hs.160589; ESTs; none,kinase; 3.90
 15 421077; AK000061; Hs.101590; hypothetical protein; ank,kinase,death,SPRY,SAP,Ribosomal_L24e,SRP54,dDENN,DENN,uDENN;TM=M; 3.90
 433211; H11859; Hs.12808; MARK; kinase,UBA,KA1;SS=M; 3.90
 433233; AB040927; Hs.301804; KIAA1494 protein; SH3,zf-C3HC4;TM=M; 3.90
 419609; U46415; Hs.270739; gb:HSU46415 Human pancreatic cancer cell line Palu 8988; Homo sapiens cDNA clone xs476, mRNA sequence; PWWP;none; 3.90
 20 433198; AA992841; Hs.27283; KIAA1458 protein; none,none; 3.89
 407721; Y12735; Hs.38018; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3; kinase;TM=M; 3.89
 427657; AV052249; Hs.180107; polymerase (DNA directed), beta; none;TM=M; 3.88
 453035; AV581943; Hs.334; Rho guanine nucleotide exchange factor (GEF) 5; none,none; 3.89
 446329; NM_013272; Hs.14805; solute carrier family 21 (organic anion transporter), member 11; kazal,OATP_N,OATP_C;TM=Y;SS=M; 3.89
 25 429922; Z97630; Hs.226117; H1 histone, member 0; linker_histone;TM=M; 3.88
 432074; AA525248; ESTs; Y_phosphatase;none; 3.88
 435143; R12375; Hs.194600; ESTs; SH3ig,kinase,PH,spectrin,RhoGEF;none; 3.87
 423198; M81933; Hs.1634; cell division cycle 25A; Rhodanese;none; 3.87
 428474; AB023182; Hs.184523; KIAA0965 protein; kinase;TM=M; 3.87
 30 419073; AW372170; Hs.183918; Homo sapiens cDNA FLJ12797 (is, clone NT2RP2002066, highly similar to Rattus norvegicus transmembrane receptor Unc5H2 mRNA; death,ZU5;SS=M; 3.86
 415457; AW081710; Hs.7369; ESTs; Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; MORN,sugar_I;TM=Y;SS=M; 3.86
 447081; DB8694; Hs.17211; dedicator of cito-kinase 2; SH3;TM=M; 3.86
 426490; NM_001621; Hs.170087; aryl hydrocarbon receptor; PAC,PAS;TM=M; 3.86
 35 451961; NM_003600; Hs.27345; RNA guanylyltransferase and 5'-phosphatase; mRNA_cap_enzyme,DSPc,DNA_ligate,mRNA_cap_C;TM=M; 3.86
 417874; BE616160; Hs.82829; protein tyrosine phosphatase, non-receptor type 2; Y_phosphatase;TM=Y; 3.86
 448874; AW986304; Hs.56156; ESTs; none,RGS; 3.85
 418630; AI351811; Hs.251946; poly(A)-binding protein, cytoplasmic 1-like; kinase;none; 3.85
 416140; AI918035; Hs.301198; roundabout (exon guidance receptor, Drosophila) homolog 1; none,none; 3.85
 425474; Z48054; Hs.150804; peroxisome receptor 1; TPR;TM=M; 3.85
 419073; AL038165; Hs.75187; translocase of outer mitochondrial membrane 20 (yeast) homolog; MAS20,zf-A20,VPS9;TM=M;SS=M; 3.85
 411770; NM_014278; Hs.71992; heat shock protein (hsp110 family); HSP70;TM=M; 3.84
 428782; X12830; Hs.193400; Interleukin 6 receptor, fn3 Ig;TM=Y;SS=M; 3.84
 450684; AA872605; Hs.25333; interleukin 1 receptor, type II; Ig;TM=Y;SS=M; 3.84
 453376; AI249561; Hs.74122; caspase 4, apoptosis-related cysteine protease; CARD,ICE_p10,ICE_p20;SS=M; 3.83
 440332; AI218517; Hs.188051; ESTs; fn3,phosphatase,SAM,EPH_Ibd;none; 3.83
 445803; AV655264; Hs.4283; ESTs; kinase,RGS,PH,myosin_head,Myosin_ tail; 3.83
 35 435905; AW997484; Hs.5003; KIAA0456 protein; SH3,RhoGAP,FCH;TM=M; 3.83
 414991; C17898 ; gb:C17898 Human placenta cDNA (TFljhvara) Homo sapiens cDNA clone GEN-554E10 5'; mRNA sequence; Zip;none; 3.83
 423067; AA321355; Hs.285401; colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage); fn3;TM=Y;SS=M; 3.82
 419088; AI508323; Hs.52620; Integrin, beta 8; Integrin_B;none; 3.82
 411704; AI498220; Hs.71573; hypothetical protein FLJ10074; kinase;TM=M; 3.82
 459346; AW510557; Hs.258016; EST; none;TM=M; 3.82
 50 445330; R52856; Hs.21891; ESTs; 7m_1;none; 3.82
 55 451452; BE660065; Hs.26433; dolichylo-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminyltransferase 1 (GlcNAc-1-P transferase); Glycos_transf_4;TM=Y;SS=M; 3.81
 405546; : Target_Exon; ABC_tran,SRP54,ABC_membrane;TM=Y;SS=M; 3.81
 448165; NM_006591; Hs.20555; meiotic recombination (S. cerevisiae) 11 homolog B; Metallophos,Ribosomal_L15e;SS=M; 3.81
 60 418305; AI076628; Hs.79187; coxsackie virus and adenovirus receptor; Ig;TM=Y;SS=M; 3.80
 415444; BE247295; Hs.784452; solute carrier family 20 (phosphate transporter), member 1; PHO4,LIM;TM=M; 3.80
 421684; BE221691; Hs.108768; hypothetical protein FLJ10511; Armadillo_seg;SS=M; 3.80
 438581; AW977768; Hs.292133; ESTs; Moderately similar to I78855 serine/threonine-specific protein kinase [H.sapiens]; kinase,RIO1;none; 3.79
 438199; RA0373; Hs.26289; ESTs; Ig_trans;none; 3.78
 450931; N25156; Hs.25648; tumor necrosis factor receptor superfamily, member 5; TNFR_c6;TM=Y;SS=M; 3.78
 65 417691; AU076810; Hs.82299; low density lipoprotein receptor defect C complementing; none;SS=M; 3.78
 430355; NM_006219; Hs.239818; phosphoinositide-3-kinase, catalytic, beta polypeptide; PI3_P14_kinase,PI3Ka,PI3K_C2,PI3K_rbd,PI3K_p85B;TM=M; 3.78
 448119; Hs.346587; Hs.346509; dedicator of cito-kinase 1; none;TM=Y; 3.78
 442013; AA508476; Hs.10600; Human DNA sequence from clone RP11-353C18 on chromosome 20 Contains ESTs, STSs, GSSs and CpG Islands. Contains the NIF8 gene for cysteine desulfurase, two genes for novel proteins and the gene for the splicing factor CC1.3 with a second isoform (CC1.; none,none; 3.77
 70 425481; AW978162; Hs.18571; ESTs; none,Oxysterol_BP; 3.77
 411411; AA345241; Hs.55850; ESTs; Weakly similar to KIAA1330 protein [H.sapiens]; RNA_pol_A,ig,MHCII_EF2_kinase;SS=M; 3.77
 426866; U02330; Hs.172816; neuregulin 1; Peptidase_M49,EGF_Ig,Neuregulin;TM=M; 3.77
 430395; D49742; Hs.241363; hyaluronan-binding protein 2; ank,death,ZU5,EGF,kringle,lypsin,Nebulin,LIM;SS=M; 3.77
 75 434398; AA121098; Hs.3538; serum-inducible kinase; kinase,POLO_box;TM=M; 3.77
 415486; AW272990; Hs.18571; ESTs; none,Oxysterol_BP; 3.77
 453226; AA641026; Hs.67712; pyruvate dehydrogenase kinase, Isoenzyma 1; HATPase_p;none; 3.76
 418785; AW95931; Hs.172012; hypothetical protein DKFZp434J037; kinase,RIO1;TM=M; 3.76
 424842; AA034127; Hs.153467; signal transducing adaptor molecule (SH3 domain and ITAM motif) 1; SH3,VHS,UIM;TM=M; 3.75
 80 426500; NM_014630; Hs.170156; KIAA0450 gene product C2,PI-PLC-Y;TM=M; 3.75
 419952; AK000957; Hs.93872; KIAA1682 protein; none;TM=M; 3.75
 425424; NM_004954; Hs.157199; ELKL motif kinase; kinase,UBA,KA1;TM=M; 3.75
 431696; AA269068; Hs.267819; protein phosphatase 1, regulatory (inhibitor) subunit 2; none;SS=M; 3.75

444184; T87841; Hs.282990; Human DNA sequence from clone RP1-28H20 on chromosome 20q13.1. Contains part of a gene for a novel protein similar to membrane transport proteins, the 5' end of a novel gene, ESTs, STSs, GSSs and three CpG islands; pkinase,RIO1,APH,KOW;TM=M; 3.75

405411; :: ENSP00000252213; SODIUM BICARBONATE COTRANSPORTER; none;TM=Y;SS=M; 3.75

405602; :: Target_Exon; pkinase;SS=M; 3.75

5 429355; AW973250; Hs.292699; ESTs; pkinase,bZIP,Armadillo_seg,none; 3.75

430153; AW958128; Hs.336679; ESTs; pkinase,none; 3.74

414180; AI663304; Hs.120905; Homo sapiens cDNA FLJ11448 fis, clone HEMBA1001391; PI3K_P14_kinase,PI3K_C2,PI3K_C2,PI3K_p85B,none; 3.74

432236; AA531132; gbrn47h06.1s1 NCI_CGAP_Pt9 Homo sapiens cDNA clone, mRNA sequence; pkinase,none; 3.74

10 433390; AA586950; Hs.261180; Homo sapiens mRNA; cDNA DKFZp761G18121 (from clone DKFZp761G18121); complete cds; none,spectrin,SH3,PH,CH; 3.74

426485; NM_006207; Hs.170040; platelet-derived growth factor receptor-like; Ig;SS=M; 3.74

408414; AI114688; Hs.17998; ESTs, Weakly similar to 2109260A B cell growth factor [H.sapiens]; fn3,g;TM=Y;SS=M; 3.73

409793; AI625463; Hs.147996; protein kinase, X-linked; pkinase,pkinase_C;TM=M; 3.73

412456; T32689; Hs.7859; ESTs; BAG,none; 3.73

15 407894; AJ278313; Hs.41143; phospholipase-specific phospholipase C-beta 1; C2,PI-PLC-Y,PI-PLC-X;TM=M; 3.73

442229; AI858776; Hs.8164; Mulberry nemurin; MATH,DENN,GRAM,zf_B_box,dDENN,dDENN;SS=M; 3.73

450151; AI088196; Hs.22968; Homo sapiens clone IMAGE451939, mRNA sequence; Ig,pkinase,none; 3.72

408331; NM_007240; Hs.44229; dual specificity phosphatase 12; DSPC;TM=M; 3.72

417821; BE245149; Hs.82643; protein tyrosine kinase 9; cofilin_ADF;SS=M; 3.72

20 403391; :: C3001164; glj17301956sp1|50673|GAR3_RAT GAMMA-AMINOBUTYRIC-ACID RECEPTOR RHO-3 SUBUNIT PRE; none;TM=Y; 3.72

417627; AA203524; gbxz56e10.r1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone 5', mRNA sequence; SH3;SS=M; 3.71

428428; AL037544; Hs.184298; cyclin-dependent kinase 7 (homolog of Xenopus MO15 cdk-activating kinase); pkinase;TM=M; 3.71

428180; AI129767; Hs.182874; guanine nucleotide binding protein (G protein) alpha 12; G-alpha,ar;TM=M; 3.71

422127; AW504286; Hs.112049; SET binding factor 1; dDENN,DENN,GRAM,PH;SS=M; 3.70

25 430570; AI417881; Hs.292484; ESTs; 7m_2,Fz,Frizzled,none; 3.70

452561; AI692181; Hs.49169; KIAA1634 protein; TPR,PDZ,WW,Guanylate_kin;TM=M; 3.69

432335; NM_002759; Hs.274382; protein kinase, interferon-inducible double stranded RNA dependent; dsm,pkinase;TM=M; 3.69

419945; AW290975; Hs.118923; ESTs; SH3,PDZ,Guanylate_kin,transferrin; 3.69

426559; AB011155; Hs.170290; discs (Drosophila) homolog 5; SH3,PDZ,Guanylate_kin;TM=M; 3.68

30 436534; AA721628; Hs.191958; immunoglobulin superfamily receptor translocation associated 2; Ig;TM=Y;SS=M; 3.68

407202; N58172; Hs.109370; ESTs; F5_F8_type_C,pkinase,Ets,none; 3.67

420297; AI628272; Hs.88323; ESTs, Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; pkinase,TUDOR,none; 3.67

417863; AB000450; Hs.82771; vaccinia related kinase 2; pkinase;TM=M; 3.67

425304; AI463384; Hs.31339; fibroblast growth factor 11; FGF,Neur_chan_LBD,Neur_chan_memb,none; 3.67

35 416318; U47732; Hs.84072; transmembrane 4 superfamily member 3; transmembrane4;TM=Y;SS=M; 3.67

418511; AA429750; Hs.75113; general transcription factor IIIA; Glycan,none; 3.66

424315; AW614850; Hs.193384; putative 28 kDa protein; none,none; 3.66

413076; U10564; Hs.75188; wee1 (S. pombe) homolog; pkinase;TM=M; 3.66

426838; NM_014071; Hs.159613; nuclear receptor coactivator RAP250; peroxisome proliferator-activated receptor interacting protein; thyroid hormone receptor binding protein; none;TM=M; 3.65

40 446983; AA157484; Hs.97199; complement component C1q receptor; EGF,lectin_c,Tissue_fac,Xlink,TIL;TM=Y;SS=M; 3.65

434350; AL042940; Hs.93872; KIAA1682 protein; none,none; 3.65

457317; AA683016; Hs.12210; hypothetical protein FLJ13732 similar to Hs.12210; SH2;TM=M; 3.65

434416; AAB05903; Hs.59498; cell division cycle 2-like 5 (cholinesterase-related cell division controller); pkinase,none; 3.65

4510174; AA306007; Hs.59461; DKFZP434C245 protein; none,DSPC; 3.65

423598; BE247600; Hs.155538; ESTs; 7m_1;TM=Y;SS=M; 3.65

440861; BE244115; Hs.7482; KIAA0682 gene product; rrm,Guanylate_kin;TM=M; 3.64

454954; AW993013; Hs.49169; KIAA1634 protein; TPR,PDZ,WW,Guanylate_kin;TM=M; 3.64

50 430250; NM_016929; Hs.283021; chloride intracellular channel 5; none;TM=M; 3.64

450587; AI628854; Hs.288538; striatin,calmodulin-binding protein; pkinase,WD40;TM=Y; 3.64

424893; AW285112; Hs.153649; Homo sapiens cDNA FLJ13303 fis, clone OVARY1001372, highly similar to Homo sapiens lppin-alpha4 mRNA; SAM;SS=M; 3.64

425845; AA361027; gb:EST70242 T-cell lymphoma Homo sapiens cDNA 5' end, mRNA sequence; HMG_box,DNA_mts_repair,HATPase_c,none; 3.64

417426; NM_002291; Hs.82124; laminin_beta_1; laminin_EGF,laminin_Nerm,integrin_B;SS=M; 3.63

55 451292; AB037716; Hs.252024; KIAA1295 protein; SH3;TM=M; 3.63

412314; AA825247; Hs.250899; heat shock factor binding protein 1; 7m_1;TM=Y;SS=M; 3.63

418303; AA215701; Hs.186541; ESTs, Weakly similar to 138022 hypothetical protein [H.sapiens]; eIF5_eIF2B,W2,pkinase,UBA,KA1; 3.63

452718; AJ914925; Hs.222240; ESTs; SH2,STAT,STAT_bind,STAT_prot,none; 3.63

403869; :: NM_004520; Homo sapiens kinesin heavy chain member 2 (KIF2), mRNA. member 3 (KCNQ3), mRNA; kinesin;TM=M; 3.63

60 450377; AB033091; Hs.74313; KIAA1255 protein; Zip;TM=M;SS=M; 3.63

417793; AW405434; Hs.82575; small nuclear ribonucleoprotein polypeptide B'; nm;TM=M; 3.63

404942; U308225; splicing factor, arginine/serine-rich 9; CD36;TM=Y;SS=M; 3.63

429554; NM_012275; Hs.207224; interleukin 1, delta; IL1;TM=M; 3.63

417871; AA521368; Hs.24252; ESTs; IBB,Armadillo_seg,none; 3.62

65 437872; AW748265; Hs.5747; flavohemoprotein b57; hemi_1,NAD_binding,lipoygenase,FAD_binding_6;TM=M; 3.62

438698; AW297855; Hs.125815; ESTs, Weakly similar to 138022 hypothetical protein [H.sapiens]; lipoygenase,PLAT,none; 3.62

447217; BE485754; Hs.17778; neuregulin 2; CUB,MAM,F6_type_C;TM=M;SS=M; 3.61

407961; AW672939; Hs.41694; origin recognition complex, subunit 2 (yeast homolog)-like; none,pkinase,pro_isomerase; 3.61

428840; M15990; Hs.194148; v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1; SH2,SH3,pkinase;SS=M; 3.61

70 455608; BE011437; gb:CM4 BN0220-080150-103200 Homo sapiens cDNA, mRNA sequence; none,CDK5_activator; 3.61

407748; AL079409; Hs.39176; KIAA0606 protein; SCN Circadian Oscillatory Protein (SCOP); PP2C,LRR,PR;TM=M; 3.60

421474; U76362; Hs.104637; solute carrier family 1 (glutamate transporter), member 7; SDF;TM=Y;SS=M; 3.60

449987; AW079749; Hs.184719; ESTs, Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; ABC_tran,ABC_membrane,ion_trans; 3.60

75 403142; :: NM_002706; Homo sapiens protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform (PPM1B), mRNA; PP2C;TM=M; 3.60

400844; :: NM_003105; Homo sapiens sortilin-related receptor, L(DLR class) A, repeats-containing (SORL1), mRNA; EGF,fn3,ldl_recept_a,ldl_recept_b,granulin,BNR;TM=Y;SS=M; 3.59

450152; AI136835; Hs.22968; Homo sapiens clone IMAGE451939, mRNA sequence; Ig,pkinase,none; 3.59

429782; NM_005754; Hs.220689; Ras-GTPase-activating protein SH3-domain-binding protein; nm,NTF2;TM=M; 3.59

80 436468; AK001455; Hs.5198; Down syndrome critical region gene 2; none;SS=M; 3.59

437400; AB011542; Hs.5599; EGF-like-domain, multiple & TNFR_c6,laminin_EGF;TM=Y; 3.58

426797; AW936258; Hs.342849; ADP-ribosylation factor-like 5; arf,Ca_channel_B,SH3; 3.58

431170; AW971246; Hs.291022; ESTs; LRR,CARD,none; 3.58

434542; AA769310; Hs.61260; hypothetical protein FLJ13164; PH,Oxysterol_BP;TM=M;SS=M; 3.58

- 420181; A1380089; Hs.158951; ESTs; none,jg,phosphatase,LRR,LRRCT; 3.57
 450572; A1700863; Hs.202494; Homo sapiens cDNA FLJ13245 fs, clone OVARC1000681; Na₊sulph_symp,none; 3.57
 433618; AA602539; Hs.345494; ESTs; G-alpha_A_deaminase; 3.57
 452695; AW780199; Hs.30327; mitogen-activated protein kinase-activated protein kinase 5; phosphatase,none; 3.57
 5 418512; AW488974; diacylglycerol kinase, zeta (104kD); ras,none; 3.57
 451752; AB032997; Hs.26566; KIAA171 protein; ATP-synt_C,TBC; TM=Y; SS=M; 3.57
 417129; AJ381800; Hs.300684; calcitonin gene-related peptide-receptor component protein; none,none; 3.57
 449474; AA019344; Hs.2055; ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing); ThIF,UBACT,phosphatase,UCH-2,UCH-1,rrn,zf-C2H2,24-
 RanBP,G-patch; 3.57
 10 412124; H43376; Hs.288550; Homo sapiens cDNA: FLJ23156 fs, clone LNG09609; none,none; 3.56
 435021; AA922192; Hs.54709; ESTs; EPtf_Ibd,phosphatase,fn3,SAM,none; 3.56
 431341; AA307211; Hs.261531; proteasome (prosome, macropain) subunit, alpha type, 4; proteasome; TM=M; 3.56
 437387; A1198874; Hs.28847; ACO26 protein; none,7m_1,WD40; 3.56
 15 422583; AA410506; Hs.27973; KIAA0874 protein; ankr,G-alpha; TM=M; 3.56
 452102; U04343; Hs.27954; CD86 antigen (CD28 antigen ligand 2, B7-2 antigen); none; TM=Y; SS=M; 3.56
 420112; NM_005109; Hs.95220; oxidative-stress responsive 1; phosphatase; TM=M; 3.55
 437639; AA827712; Hs.291880; ESTs; SH3,none; 3.55
 457500; NM_002759; Hs.274382; protein kinase, Hs, interferon-inducible double stranded RNA dependent; dsrm,phosphatase; TM=M; 3.55
 20 415660; A1909007; Hs.78563; ubiquitin-conjugating enzyme E2G 1 (homologous to C. elegans UBC7); UQ_con; TM=M; 3.55
 423393; R37772; Hs.21420; p21-activated protein kinase 6; phosphatase,PBD; TM=M; 3.55
 428727; AF078847; Hs.191356; general transcription factor IIH; polypeptide 2 (44kD subunit); PHO4,LIM; TM=M; 3.55
 411190; AA306342; Hs.69171; protein kinase C-like 2; phosphatase,phosphatase_C,HR1; TM=M; 3.55
 408683; R58665; Hs.46847; TRAF and TNF receptor-associated protein; Exo_endo_phos; TM=M; 3.55
 412350; A1659308; Hs.73828; protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte); Y_phosphatase,Bend_41,PDZ; TM=M; 3.55
 25 446742; AA232119; Hs.16085; putative G-protein coupled receptor; none; TM=Y; SS=M; 3.55
 427283; AL119796; Hs.174185; ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin); Sulfatase,Somatomedin_B,Phosphodiest,Endonuclease; TM=M; SS=Y; 3.55
 414988; AL039185; Hs.77558; thyrolyt hormone receptor interactor 7; HMG14_17; none; 3.55
 424848; AL263231; Hs.327090; EST; SH3,PDZ,Guanylate_Kin; none; 3.54
 402704; C1001099; [gi|5005896|ref|NP_009101.1]; lactate-specific protein kinase 2 [Homo sapiens] g1|4; none,none; 3.54
 30 444099; DB7432; Hs.10315; solute carrier family 7 (cationic amino acid transporter, y system), member 6; aa_permease; TM=Y; SS=M; 3.54
 429687; AA232119; Hs.211608; nucleophosin 153kD; zf-RanBP1,Integrin_B; TM=M; 3.53
 413879; AA132985; Hs.212533; Homo sapiens cDNA: FLJ22572 fs, clone HS02313; none,none; 3.53
 431045; AW968560; Hs.301957; nudix (nucleoside diphosphate linked moiety X)-type motif 5; NUDIX,secY,E1_dehydrog,transket_pyr; TM=Y; SS=M; 3.53
 35 423855; AA331761; Hs.254859; ESTs; none,phosphatase,UQ_con,wa,FG-GAP,integrin_A; 3.53
 440082; AW362152; Hs.271181; nuclear receptor binding factor-2 cyclo,bzIP; TM=M; 3.52
 410686; AT733735; Hs.114905; IRE1, S. cerevisiae, homolog of; phosphatase,Bacterial_PQ2; TM=M; SS=M; 3.52
 449810; AA080681; Hs.23994; activin A receptor, type II B; phosphatase,Activin_A_recpt; TM=Y; SS=M; 3.52
 418755; Y14443; Hs.88219; zinc finger protein 200; zf-C2H2,zf-BED; TM=M; 3.52
 448804; AWS12213; Hs.342949; ADP-ribosylation factor-like 5; arf,Ca_channel_B,SH3; 3.52
 403850; AA809052; Hs.182016; ESTs; none,none; 3.62
 456559; AA336273; Hs.102548; glucocorticoid receptor DNA binding factor 1; none,PAS; 3.51
 410054; AL120050; Hs.58220; Homo sapiens cDNA: FLJ23005 fs, clone LNG00398, highly similar to AF055023 Homo sapiens clone 24723 mRNA sequence; RasGAP,adenylylcase; 3.51
 45 422321; AA906427; Hs.181035; hypothetical protein MGC11296; none; TM=M; 3.51
 445701; AF055581; Hs.131431; lymphocyte adaptor protein; SH2,PH; TM=M; 3.50
 407393; AB038237; gbx; Homo sapiens mRNA for G protein-coupled receptor GsL2, complete cds.; 7m_1; TM=Y; SS=M; 3.50
 443303; U67319; Hs.9216; caspase 7, apoptosis-related cysteine protease; phosphatase,ICE_p10,ICE_p20; TM=M; SS=M; 3.50
 420673; AB008112; Hs.99847; peroxisome biogenesis factor 1; AAA,APS,_kinase; TM=M; SS=M; 3.49
 50 424663; NM_002351; Hs.151544; SH2 domain protein 1A, Duncan's disease (lymphoproliferative syndrome); SH2; TM=M; 3.49
 429327; AA283951; Hs.199248; prostaglandin receptor 4 (subtype EP4); 7m_1; TM=Y; SS=M; 3.49
 400178; 1; Eos Control; none,Somatomedin_B; 3.49
 439549; AW937885; Hs.137314; ESTs; SH2,none; 3.49
 436345; AA073008; Hs.121572; ESTs; CARD,BIR_zf-C3HC4,CARD,BIR_zf-C3HC4; 3.49
 55 427658; Hs.1337; Hs.30869; noge receptor; LRR,LRRNT,LRRCT; SS=M; 3.48
 402833; C1002500; [gi|6691937|emb|CAB65797.1|(AL086770)|bA150A6.2 (novel 7 transmembrane receptor); none,none; 3.48
 442363; AJ37304; Hs.23120; PI3T; fn3,phosphatase,PDZ,DUF1329; TM=Y; SS=M; 3.48
 409132; AJ224539; Hs.50732; protein kinase, AMP-activated, beta 2 non-catalytic subunit; none; TM=M; 3.47
 417971; Y08991; Hs.83050; phosphoinositide 3-kinase, regulatory subunit 4, p150; phosphatase,WD40,HEAT; SS=M; 3.47
 60 432169; Y08971; Hs.2910; phosphatidyl pyrophosphate synthetase 2; Pinosylvirin; 3.47
 447425; AA963747; Hs.18573; acylphosphatase 1, erythrocyte (common) type; Acylphosphatase; SS=M; 3.47
 427223; AW851995; Hs.285814; sprouty (Drosophila) homolog 4; SH2,SH3,M; SS=M; 3.46
 401851; NM_002401; Homo sapiens mitogen-activated protein kinase kinase kinase 3 (MAP3K3), mRNA.; phosphatase; SS=M; 3.46
 407877; AW016811; Hs.234470; Homo sapiens cDNA: FLJ22846 fs, clone HS107329; phosphatase,phosphatase_C,none; 3.45
 65 432279; NM5104; Hs.274265; ATP-binding cassette, sub-family C (CFTR/MRP), member 6; ABC_Iran,ABC_membrane,none; 3.45
 437103; AW139408; Hs.152940; ESTs; Cholina_kinase; none; 3.45
 420338; AA825593; Hs.85269; Homo sapiens, clone MGC17339, mRNA, complete cds.; 7m_1; TM=Y; SS=M; 3.44
 422209; AF005210; Hs.113222; chemokine (C-C motif) receptor 8; 7m_1,7m_2; TM=Y; SS=M; 3.44
 410781; AJ375672; Hs.165028; ESTs; phosphatase,lanthiIn_Nterm,lanthiIn_EGF,cyclin_F-box,cyclin_C,serpin,ATP-synt_C; 3.44
 70 437286; AA350994; Hs.20281; KIAA1700; Rhodanese,DSPic; TM=M; 3.43
 419855; AF05182; Hs.144193; ESTs; zf-C3HC4,UBA,Cbl_N,Cbl_N2,Cbl_N3,zf-C3HC4,UBA,Cbl_N,Cbl_N2,Cbl_N3; 3.43
 433336; AF017986; Hs.31386; secreted frizzled-related protein 2; Fz,NTR; SS=M; 3.43
 428483; AA908539; Hs.184592; KIAA0344 gene product; none,none; 3.43
 445119; AF035121; Hs.12337; kinase insert domain receptor (a type III receptor tyrosine kinase); Ig,phosphatase; TM=Y; SS=M; 3.42
 454468; AF690319; Hs.19122; eukaryotic translation initiation factor 4E-like 3; none,Neur_chan_LBD,Neur_chan_memb,IF4E; 3.42
 410396; W26187; Hs.3327; Homo sapiens cDNA: FLJ22219 fs, clone HRC01837; phosphatase,Guanylate_kin,PDZ,SH3,L27; none; 3.42
 422907; AI879263; Hs.77273; Human glucose transporter pseudogene; none,none; 3.42
 449816; AJ701457; Hs.38694; ESTs; SET,BAH,PK,PK_C; 3.42
 440074; AA863045; Hs.10659; ESTs; Weakly similar to T00050 hypothetical protein KIAA0400 [H.sapiens]; SH3,ank,ubulin-binding,ArfGap,PH; TM=M; SS=M; 3.42
 75 425475; W56339; Hs.107057; ESTs; phosphatase; none; 3.42
 80 401242; AB028999; mitogen-activated protein kinase 8 interacting protein 3; Cys_knot,TGF-beta,wwy,wwc,wwd,TII,DUF139; SS=M; 3.41
 429276; AF056085; Hs.198612; G protein-coupled receptor 51; 7m_3_ANF_receptor,bZIP; TM=Y; 3.41
 445800; AA128419; Hs.32944; inositol polyphosphate-4-phosphatase, type I, 107kD; none,none; 3.41
 410908; AA121686; Hs.10592; ESTs; GTP_EFTU,GTP_EFTU_D3,GTP_EFTU_D2,none; 3.41

- 452960; AK001336; Hs.31137; protein tyrosine phosphatase, receptor type, E; Y_phosphatase,none; 3.40
 447898; AW969638; Hs.112318; 6.2 kd protein; none,none; 3.40
 450402; BE218027; Hs.89969; ESTs; SH3,none; 3.40
 5 441466; AW673081; Hs.54828; ESTs; pk kinase,zf-C2H2,KRAB,none; 3.40
 408546; W49512; Hs.46348; bradykinin receptor B1; 7m_1;TM=Y;SS=M; 3.40
 410927; T77635; gb:c1106:1 Soares Infant brain 1NIB Homo sapiens cDNA clone 5', mRNA sequence; none,none; 3.40
 409546; AW161391; Hs.709; deoxycytidine kinase; dNK;SS=M; 3.39
 417165; R0137; Hs.302738; Homo sapiens cDNA: FLJ21425 fis, clone COL04162; Sulfate_transp,STAS,HMG_box; 3.39
 10 449343; AI151418; ; protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (caldyneurin A alpha); none,none; 3.39
 450511; R07423; Hs.85092; thyroid hormone receptor interactor 11; Myo5n_lall,EGF; 3.39
 414271; AK000275; Hs.75871; protein kinase C binding protein 1; bromodomain,PHD,PWWP,z-MYND;TM=M; 3.38
 418428; Y12490; Hs.85082; thyroid hormone receptor interactor 11; bZIP,kinase,GTP_cyclohydrol,M;TM=M; 3.37
 422369; AF005216; Hs.115541; Janus kinase 2 (a protein tyrosine kinase); SH2,kinase;TM=M; 3.37
 456451; AI761180; Hs.94211; rod1 (required for cell differentiation, *S.pombe*) homolog 1; none;TM=M;; 3.37
 15 438543; AA810141; Hs.192182; ESTs; SH2,kinase,none; 3.37
 401943; NM_012434; solute carrier family 17 (anion/sugar transporter), member 6; none;TM=M; 3.36
 415276; U88666; Hs.78353; SFRS protein kinase 2; pk kinase;TM=M;; 3.36
 447781; BE620886; Hs.75354; GCN1 (general control of amino acid synthesis 1, yeast)-like 1; pk kinase,pk kinase; 3.35
 20 434533; AA639257; Hs.292549; ESTs; SH3,PDZ,Guanylate_kin,none; 3.35
 432639; AW973785; gb:EST385886 MAGE resequences, MAGM Homo sapiens cDNA, mRNA sequence; none,IRK; 3.35
 410678; BE540516; Hs.293732; hypothetical protein MGIC195; Armadillo_seg;TM=Y;SS=Y; 3.35
 402807; ; ENSP00000238529; SEMB; integrin_B,Sema,PSI;TM=Y; 3.35
 420189; AW296380; Hs.95821; osteoclast stimulating factor 1; SH3,ank; 3.34
 437389; AL359587; Hs.271586; hypothetical protein DKF2p762M18; secY,E1_dahydrog,transket_pyr,none; 3.34
 25 453423; NM_002647; Hs.32971; phospholamban-like 3-kinase, class 3; PI3_P14_kinase,PI3Ka,PI3K_C2;TM=M; 3.34
 414270; L20852; Hs.347527; solute carrier family 20 (phosphate transporter), member 2; Enterotoxin_A,PHO4;TM=Y;SS=M; 3.33
 417479; AI067052; ESTs; Weakly similar to Z195_HUMAN ZINC FINGER PROTEIN 195 [H.sapiens]; LRR,CARD,none; 3.33
 424946; M64572; Hs.159332; protein tyrosine phosphatase, non-receptor type 3; Band_41,PDZ,Y_phosphatase,none; 3.33
 452681; AF153330; Hs.30246; solute carrier family 19 (thiamine transporter), member 2; Folate_carrier;TM=Y;SS=M; 3.33
 30 426477; AA379444; gb:EST92386 Skin tumor II Homo sapiens cDNA 5' end, mRNA sequence; DUF6,MATH,BTB; 3.33
 438283; AI459391; Hs.37262; ESTs; none;transmembrane4; 3.33
 421327; AA837295; Hs.188802; ESTs; none;IMP4_Y_phosphatase; 3.33
 432481; AW451645; Hs.151504; Homo sapiens cDNA FLJ11973 fis, clone HEMBB1001221; laminin_G,Collagen,COLFl,CorA,TSPN,none; 3.33
 35 452682; AA458193; Hs.30711; progesterone membrane binding protein; hornecone,none; 3.32
 432211; BE274530; Hs.273333; hypothetical protein FLJ10986; FGGY_C;TM=M; 3.31
 443601; AI078554; Hs.15882; ESTs; ank,kinase,death,Ribosomal_S14; 3.31
 430597; AF062006; Hs.285529; G protein-coupled receptor 49; 7m_1_LRR,RRNNT;TM=Y;SS=M; 3.31
 409912; AF249745; Hs.6066; Rho guanine nucleotide exchange factor (GEF) 4; SH3,PH,RhoGEF;TM=M; 3.31
 400380; NM_018486; Hs.283079; G protein-coupled receptor CS5L2; 7m_1;TM=Y;SS=M; 3.31
 415983; AI436798; Hs.117076; Homo sapiens cDNA: FLJ23028 fis, clone LNG01852, highly similar to HSU0B023 Human cellular proto-oncogene (c-mor) mRNA; tm3,ig,kinase;TM=Y;SS=M; 3.31
 441054; AA813591; Hs.126480; ESTs; none,7m_1; 3.31
 418342; BE002723; ; leptin receptor; ICE_p20,DED,ICE_p10,ICE_p20,DED; 3.31
 45 446128; AW836779; Hs.113029; ribosomal protein S25; none,7m_1; 3.31
 425086; AW957571; Hs.12319; Homo sapiens cDNA FLJ12774 fis, clone NT2RP2001663, moderately similar to ENOLASE (EC 4.2.1.11); none,Guanylate_kin,PDZ,SH3; 3.31
 425725; NM_012243; Hs.159322; solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member 3; DUF6;TM=Y;SS=M; 3.30
 422808; AW160644; Hs.118695; potassium voltage-gated channel, subfamily G, member 1; ion_trans,K_letra;TM=Y;; 3.30
 50 428061; Y14039; Hs.195175; CASP8 and FADD-like apoptosis regulator; ICE_p20,DED;TM=M; 3.30
 433656; AA974941; Hs.292385; ESTs; Weakly similar to I78885 serine/threonine-specific protein kinase [H.sapiens]; pk kinase,ABC1,none; 3.30
 413132; NM_006823; Hs.7520; protein kinase (cAMP-dependent, catalytic) inhibitor alpha; PK1;SS=M; 3.30
 402603; ; ENSP00000261205; KIAA0778 PROTEIN (FRAGMENT); none;TM=Y; 3.30
 418801; AA228366; Hs.115122; ESTs; Integrin_A,FG-GAP,none; 3.30
 55 400275; ; NM_006513; Homo sapiens serine/arginine-rich protein kinase (SARS), mRNA. (SAM68), mRNA; tRNA-synt_2b,Serlyt_tRNA_N;TM=M; 3.29
 440286; U29589; Hs.7138; cholinergic receptor, muscarinic 3; 7m_1;TM=Y; 3.29
 409101; NM_004297; Hs.50612; guanine nucleotide binding protein (G protein), alpha 14; G-alpha;none; 3.29
 432739; AA798898; Hs.179902; transporter-like protein; none;TM=Y;SS=M; 3.29
 408738; NM_014785; Hs.47313; KIAA0268 gene product; none;TM=M; 3.29
 60 443195; BE148235; Hs.193063; Homo sapiens cDNA FLJ14201 fis, clone NT2RP3002955; Aa_trans,none; 3.29
 405328; ; NM_005391; Homo sapiens pyruvate dehydrogenase kinase, isoenzyme 3 (PDK3); mRNA; HATPase_c;SS=M; 3.28
 418764; NM03531; Hs.42215; protein phosphatase 1, regulatory subunit 6; none,none; 3.28
 408756; AA524745; Hs.44883; ESTs; Armadillo_seg,IBB,DEAD,kinase,C_Sec63,DDT,PHD,bromodomain;TM=M; 3.28
 415474; NM_014252; Hs.78457; solute carrier family 25 (mitochondrial carrier, carnitine transporter) member 16; mthb_carr;TM=M; 3.28
 417805; U38545; Hs.82587; phospholipase D1, phosphatidylcholine-specific; PH,PLDc,PX;TM=M; 3.28
 65 410254; BE004131; Hs.318510; Homo sapiens cDNA FLJ13682 fis, clone PLACE2000015, weakly similar to EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15; ehdan,none; 3.28
 443698; AA287702; Hs.10031; KIAA0955 protein; CARD;TM=M;SS=M; 3.28
 438899; AF085633; Hs.135624; ESTs; none,PI3_P14_kinase,PI3Ka,PI3K_C2,PI3K_jbd,PI3K_p65B; 3.27
 70 415663; AW296841; Hs.313332; ESTs; UQ_Con,Neur_chan_LBD,Neur_chan_numb; 3.27
 414067; W01712; gb:zbl36d03,r1 Soares_parallel thyroid_tumor_NbHPA Homo sapiens cDNA clone 5', mRNA sequence; pk kinase,none; 3.27
 442833; AA328153; Hs.88201; ESTs; Weakly similar to A Chael A, Crystal Structure Of The Human Acyl Protein Thioesterase 1 At 1.5 Å Resolution [H.sapiens]; abhydrolase_2;TM=M; 3.27
 444754; T03911; Hs.11881; transmembrane 4 superfamily member 4; none;TM=Y;SS=M; 3.28
 432579; AF043244; Hs.278439; nucleolar protein 3 (apoplosis repressor with CARD domain); CARD;TM=M; 3.26
 75 458943; AW249181; Hs.19954; ESTs; Weakly similar to T19873 hypothetical protein C41C4.2 - *Caenorhabditis elegans* [C.elegans]; none,pk kinase,RGS; 3.26
 411974; AW880414; Hs.84264; acidic protein rich in leucines; E1-E2_ATPase,Calponin_ATPase_C,Cation_ATPase_N,Hydrolase.asp; 3.26
 437145; AF007216; Hs.5482; solute carrier family 4, sodium bicarbonate cotransporter, member 4; HCO3_cotransp;TM=Y;; 3.26
 423387; AI012074; ; vasoactive intestinal peptide receptor 1; 7m_2,HRM,CSD;TM=Y;SS=M; 3.25
 442643; U82756; Hs.3991; PRP4/STKWD splicing factor; WD40;SS=M; 3.25
 80 417525; PR93355; Hs.192981; ESTs; Weakly similar to ALU_HUMAN !!! ALU CLASS B WARNING ENTRY !!! [H.sapiens]; SH3,ig,kinase,PH,specirin,RhoGEF;SS=M; 3.25
 412283; BE069084; ; gb:QV3-BT0379-140100-058-g12 BT0379 Homo sapiens cDNA, mRNA sequence; ion_trans,RYDR_ITPR,MIR,none; 3.25
 411213; AA676939; Hs.69285; neuropilin 1; MAM_F5_F8_type_C,CUB,CUB,MAM_F6_F8_type_C; 3.25
 400352; AF227133; ; taste receptor, type 2, member 7; none;TM=Y;SS=M; 3.25

- 402974; Target_Exon; Y_phosphatase,GnRH,hormone5,hormone4; 3.25
 407644; D16815; Hs.37288; nuclear receptor subfamily 1, group D, member 2; hormone_rec,zf-C4;TM=M;SS=M; 3.25
 421654; AW163267; Hs.105469; suppressor of var1 (S.cerevisiae) 3-like 1; helicase_C;SS=M; 3.25
 438022; AW517524; Hs.135201; NOD2 protein; LRR,CARD,GTP_CDC,Viral_helicase1;TM=M; 3.24
 5 449964; AW001741; Hs.24243; hypothetical protein FLJ10706; kinase;TM=M; 3.24
 428816; AA004966; Hs.193825; ATP-binding cassette, sub-family C (CFTR/MRP), member 2; EGF,sushi,lypsin,CUB,ABC_fran,ABC_membrane;SS=M; 3.24
 427319; AW631495; Hs.27135; B-cell receptor-associated protein BAP28; filament;TM=Y;SS=M; 3.24
 421970; AF227156; Hs.110103; RNA polymerase I transcription factor RRN3;
 aa_permeases,pyridoxal_deC,bromodomain,PHD,MBD,AT_hook,DDT,P13_P14_kinase,FAT,FATC,BalA,RUN;TM=M; 3.24
 10 411887; AW182924; Hs.128790; ESTs; kinase;TM=M; 3.24
 401800; AA331406; Hs.75456; A kinase (PRKA) anchor protein 10; RGS;SS=M; 3.24
 410267; AW978085; Hs.12600; N-ethylmaleimide-sensitive factor attachment protein, beta; none;NTF2; 3.23
 410240; AL157424; Hs.61289; synaptojanin 2; Exo_endo_phos,Syja_N,rrm,Gram-ve_poring;TM=M; 3.23
 434510; AF143895; Hs.18190; EST; SH3,FCH,none; 3.22
 422592; BE081857; Hs.94211; rcd1 (required for cell differentiation, *S.pombe*) homolog 1; none,PI-PLC-X,PH,PI-PLC-Y,C2; 3.22
 439803; AA001021; Hs.6685; thyroid hormone receptor interactor 8; none,none; 3.22
 448520; AB002367; Hs.21355; doublecorlin and CaM kinase-like 1; kinase,DXCTM=M; 3.22
 409245; AA361037; Hs.288036; tRNA_isopentenylpyrophosphate transferase; Armadillo_seg;TM=M; 3.22
 458946; AA009716; Hs.42211; ESTs; none,DSPh,Y_phosphatase; 3.22
 20 409048; Hs5980; Hs.37699; ESTs; Armadillo_seg,IBB,none; 3.22
 420357; U94333; Hs.97199; complement component C1q receptor; EGF,lectin_c,Tissue_fac,Xlink,TIL;TM=Y;SS=M; 3.22
 426230; AA367019; Hs.241395; protease, serine, 1 (trypsin 1); trypsin,toxin_4;SS=M; 3.21
 411352; NM_002890; Hs.758; RAS p21 protein activator (GTPase activating protein) 1; SH2,SH3,C2,PH,RasGAP;TM=M;SS=M; 3.21
 438333; R39382; Hs.25283; cyclin-dependent kinase 8; kinase,none; 3.20
 25 414202; BE275653; Hs.270379; transmembrane 8 superfamily member 1; 7tm_5,none; 3.20
 429651; D79248; Hs.279870; ESTs; Weakly similar to A46010 X-linked retinopathy protein [H.sapiens]; MgtE,none; 3.20
 400987; C11000939; p11464993;ref[NP_065260.1] gene for odorant receptor MOR83 [Mus musculus] g16; none;TM=Y;SS=M; 3.20
 413760; Z25104; Hs.25127; Homo sapiens mRNA for KIAA1725 protein, partial cds; none,ank,ArGap; 3.20
 408468; AI090712; Hs.99837; phosphatidylinositol transfer protein, membrane-associated; PX,PH,PLDc,PH,PLDc,PX; 3.26
 409463; AI458185; Hs.17296; hypothetical protein MGC2378; K_letr;TM=M; 3.20
 425910; AA830797; Hs.184760; CCAAT-box-binding transcription factor; none;TM=M; 3.19
 423798; AF047033; Hs.132904; solute carrier family 4, sodium bicarbonate cotransporter, member 7; HCO3_cotransp;TM=Y;SS=M; 3.19
 407753; AL045916; Hs.293419; ESTs; Ephrin,none; 3.19
 35 419355; AA428520; Hs.50061; progesterone binding protein; heme_1;TM=Y;SS=M; 3.19
 454128; AL031258; Hs.41639; programmed cell death 2; zf-MYND;TM=M; 3.19
 421202; AF193339; Hs.102506; eukaryotic translation initiation factor 2-alpha kinase 3; kinase;TM=Y;SS=M; 3.19
 446380; N42553; Hs.257914; homolog of mouse transient receptor potential-phospholipase C-interacting kinase Chak; hypothetical protein FLJ20117;
 ion_trans,MHC_K_EF2_kinase;TM=M; 3.18
 40 458882; R34993; Hs.226666; ESTs; Moderately similar to I54374 gene NF2 protein [H.sapiens]; CRAL_TRIO,PKI; 3.18
 424124; AA335809; Hs.7589; ESTs; Weakly similar to A46010 X-linked retinopathy protein [H.sapiens]; kinase,BC; 3.18
 444745; AF117754; Hs.14881; thyroid hormone receptor-associated protein, 240 kDa subunit; none;TM=M; 3.18
 426399; AA652580; Hs.301340; Homo sapiens cDNA FLJ13271 fs, clone OVARC1001000; SH3,HS1_rep,none; 3.18
 425836; AW955696; Hs.90960; ESTs; Cb1_N,Cb1N2,Cb1N3,UBA2 zf-C3HC4,none; 3.18
 403335; NM_021815; Homo sapiens solute carrier family 5 (choline transporter), member 7 (SLC5A7), mRNA.; SSF;TM=Y;SS=M; 3.17
 45 426788; AF082283; Hs.193816; B-cell CLLymphoma 10; CARD;TM=M; 3.17
 429558; AI391454; Hs.207251; nucleolar autoantigen (55kD) similar to rat synaptonemal complex protein; none;SS=M; 3.17
 440248; AA878138; Hs.153136; ESTs; SH2,none; 3.17
 423708; U95218; Hs.131924; G protein-coupled receptor 65; 7tm_1;TM=Y;SS=M; 3.17
 50 429752; H52348; Hs.35636; ESTs; kinase,phosphatase; 3.17
 446163; AA026880; Hs.25252; Homo sapiens cDNA FLJ13603 fs, clone PLACE1010270; none;NA;NA; 3.17
 456773; AI038192; Hs.129764; EGF-like repeats and discoidin I-like domains 3; tm,SH3,myosin_head,IQ,MyTH4,EGF,FS_F8_type_C,Band_41;TM=M; 3.17
 434392; AW933705; Hs.260824; Homo sapiens cDNA: FLJ23435 fs, clone HRC12631; kinase,none; 3.16
 435972; W95088; Hs.114198; ESTs; kinase,OPR,none; 3.16
 55 441401; AI624338; Hs.126891; ESTs; Tissue_fac;TM=M;SS=M; 3.16
 410497; AL157648; Hs.157078; Homo sapiens cDNA FLJ12793 fs, clone NT2RP2002033; none,none; 3.16
 401113; H26530; solute carrier family 22 (organic cation transporter), member 1-like; none;SS=M; 3.16
 424833; NM_003894; Hs.153405; par6 (Drosophila) homolog 2; PAF;SS=M; 3.16
 453880; AI083166; Hs.28462; ESTs; Weakly similar to I38022 hypothetical protein [H.sapiens]; HSP70,none; 3.16
 435391; AA704588; Hs.58934; ESTs; PIP5K,none; 3.16
 60 428065; AI634046; Hs.157316; ESTs; ICE_p20,DED,ICE_p10,ICE_p20,DED; 3.15
 452688; AA721140; Hs.49930; ESTs; Weakly similar to putative p150 [H.sapiens]; SH3,none; 3.15
 426839; M74782; Hs.172689; Interleukin 3 receptor, alpha (low affinity); none;TM=M;SS=M; 3.15
 421247; BE301727; Hs.102910; general transcription factor IIIH, polypeptide 4 (52kD subunit); none;TM=M; 3.14
 442049; AI246590; Hs.249175; ESTs; TatD_DNase,phosphatase,death,none; 3.14
 65 409519; AK001015; Hs.55220; BCL2-associated athanogene 2; BAG;TM=M; 3.13
 448138; AW130288; Hs.170318; hypothetical protein FLJ10147; hormone_rec,zf-C4;SS=M; 3.13
 400440; X83957; Hs.83870; nebulin; SH3,Nebulin; 3.12
 409099; AK000725; Hs.50579; hypothetical protein FLJ20718; Armadillo_seg;TM=M; 3.12
 434237; AF18908; Hs.235516; hypothetical protein PRO2955; none;SS=M; 3.12
 70 428179; AI12772; Hs.279699; ESTs; Weakly similar to I38022 hypothetical protein [H.sapiens]; kinase,PX,phosphatase_C;SS=M; 3.12
 422024; NM_012108; Hs.121128; BCR downstream signaling 1; SH2,PH;TM=M; 3.11
 409745; AA077391; ;gb:7B14E12 Chromosome 7 Felis catus cDNA clone 7B14E12, mRNA sequence; 7tm_1,zf-C3HC4,fn3,SPRY,KRAB,zf-
 C2H2,rrc,zf-B_box;TM=Y;SS=M; 3.11
 75 435411; AW444619; Hs.138211; ESTs; none,phosphatase; 3.11
 424852; AI222779; Hs.144846; ESTs; adenylyltransferase,SH2,phosphatase,none; 3.11
 441970; AW959918; Hs.155160; ESTs; mm,zf-C2H2; 3.11
 453370; AI470523; Hs.139336; ATP-binding cassette, sub-family C (CFTR/MRP), member 4; ABC_fran,ABC_membrane;TM=Y;; 3.11
 413285; BE078405; ;gb:QV2-BT0617-080300-071-g03 BT0617 Homo sapiens cDNA, mRNA sequence; GCV_T;SS=M; 3.10
 429458; BE161632; Hs.292688; ESTs; kinase,bZIP,Armadillo_seg,none; 3.10
 80 401185; NM_021625; Homo sapiens vanilloid receptor-related osmotically activated
 channel; OTRPC4 protein (OTRPC4), mRNA; ank,ion_trans;TM=Y;; 3.10
 404537; Z25884; chloride channel 1 , skeletal muscle (Thomsen disease, autosomal dominant); none;TM=Y; 3.10
 417089; H52280; Hs.18612; Homo sapiens cDNA: FLJ21909 fs, clone HEP03834; voltage_CLC,CBS,none; 3.09
 450792; AA400323; Hs.183041; ESTs; none,ABC_fran; 3.09

- 420361; N92054; Hs.194718; zinc finger protein 265; zf-RanBP_7tm_1; 3.09
 444040; AF204231; Hs.182982; golgin-67; SH3,C2,PH,RhoGEF,efhand; TM=M; 3.09
 416990; AF124145; Hs.80731; autocrine motility factor receptor; zf-C3HC4,CUE; TM=Y;; 3.09
 442215; AI703172; Hs.129005; ESTs; Weakly similar to 2109260A B cell growth factor [H.sapiens]; none,none; 3.09
 5 424187; AA336561; Hs.17267; ESTs; none;TM=M; 3.09
 426623; AA332826; Hs.132793; ESTs; none;TM=M; 3.09
 419577; L36631; Hs.91296; integrin, alpha 6; integrin_A.FG-GAP;TM=Y;; 3.08
 426518; AL036456; Hs.171374; smg GDS-ASSOCIATED PROTEIN; Armadillo_seg;TM=M; 3.08
 10 445133; AW157646; Hs.153506; ESTs; effhand,spectrin,GAS2,SH3,Plecin_RA,Xylose_isom,FLD,bZIP,Tropomyosin,Myc-LZ,M,Idh_C,CH,AIP3;TM=M;; 3.08
 423681; AB023215; Hs.131525; Homo sapiens mRNA; cDNA DKFZp434E199 (from clone DKFZp434E199); partial cds; TTL;TM=M; 3.08
 428730; AA625947; Hs.25750; ESTs; HECT;none; 3.08
 427976; AW977808; Hs.80545; mitogen-activated protein kinase 8 interacting protein 2; Ribosomal_L37e,pkinase; 3.08
 412448; L12954; Hs.73895; tumor necrosis factor receptor superfamily, member 9; TNFR_L6;TM=Y;SS=M; 3.08
 15 416814; AW192307; Hs.80042; dolichyl-P-Glc:Man9GlcNAc2-P-P-dolichylglucosyltransferase; Alg6_Alg8_7tm_1;TM=Y;SS=M; 3.08
 427395; AW290741; Hs.97661; ESTs; Moderately similar to I38022 hypothetical protein [H.sapiens]; none,aldehd,azkhanse; 3.08
 436267; AW450938; Hs.180115; ESTs; none,none; 3.07
 422309; U79745; Hs.114924; solute carrier family 16 (monocarboxylic acid transporters), member 6; sugar_ir;TM=Y;SS=M; 3.07
 439283; E47305; Hs.46668; ESTs; 7tm_1;TM=Y;SS=M; 3.07
 20 458760; AA498631; Hs.111334; ferritin, light polypeptide; cystatin,ferritin,histone,HCO3_cotransp,SH3,RhoGAP,xan_ur_permease,FCH;SS=M; 3.07
 424236; AW058114; Hs.7837; phosphoprotein regulated by mitogenic pathways; pkinase;TM=M; 3.06
 427285; AW732802; Hs.2123; epidermal growth factor pathway substrate 8; SH3,TonB_boxC;TM=M; 3.06
 423878; AI907090; Hs.52881; hypothetical protein PRO1853; cystatin,ferritin,histone,HCO3_cotransp,SH3,RhoGAP,xan_ur_permease,FCH;SS=M; 3.06
 419270; NM_005232; Hs.89839; EphA1; frn3,pkinase,SAM,EPH_Ibd;TM=M;SS=M; 3.06
 25 450407; NM_000810; Hs.24969; gamma-aminobutyric acid (GABA) A receptor, alpha 5; Neur_chan_LBD,Neur_chan_memb;TM=Y;; 3.06
 456249; AI206144; Hs.82508; HRIHFB2206 protein; none;SS=M; 3.08
 441560; F13386; Hs.7889; Homo sapiens clone 23736 mRNA sequence; pkinase,Recep_I_domain,Furin-like,YLP,none; 3.05
 445468; AB037782; Hs.15118; KIAA1361 protein; pkinase;SS=M; 3.05
 447495; AW41864; Hs.18720; programmed cell death 8 (apoptosis-inducing factor); pyr_redox;TM=M; 3.05
 30 425390; AI026264; Hs.156114; protein tyrosine phosphatase, non-receptor type substrate 1; tg;TM=Y;SS=M; 3.04
 409705; M37762; Hs.58023; brain-derived neurotrophic factor; NGF;SS=M; 3.04
 413962; AA331563; Hs.24578; sphingosine 1-phosphatase; PAP2;TM=Y;; 3.04
 426578; R23027; gb:hg27e07_r1 Soares placenta Nb24P Homo sapiens cDNA clone 5; mRNA sequence; pkinase,none; 3.04
 438005; BE151746; gb:PM1-HT0305-061299-003-e06 HT0305 Homo sapiens cDNA; mRNA sequence; pkinase,UBA,KA1,none; 3.04
 35 438316; AA78249; Hs.80042; gb:gi27gi08.1 Soares, testis_NHT Homo sapiens cDNA clone 1391582 3'; mRNA sequence; none,none; 3.04
 452860; H22830; Hs.22481; ESTs; Moderately similar to A46010 X-linked retinopathy protein [H.sapiens]; CBS,voltage_CLC,none; 3.03
 405266; :: Target_Exon; arf,G-alpha;SS=M; 3.03
 402615; :: C1003844_gi|6912550|ref|NP_036483.1| olfactory receptor, family 10, subfamily J, member 1; none;TM=Y;SS=M; 3.03
 422803; W28869; Hs.138041; ESTs; transmembrane_4,none; 3.02
 403925; AF086139; Hs.1E0423; cyclin-dependent kinase 9 (CDC2-related kinase); pkinase,Mur_Ilgase,Mur_Ilgase_C; 3.02
 416389; AA180072; Hs.149846; integrin_beta 5; integrin_B,none; 3.02
 418836; AI655499; Hs.161712; ESTs; pkinase,Activin_rec,PDZ,ZL5,death; 3.02
 388996; AW748336; Hs.110613; KIAA0421 protein; none;TM=M;; 3.02
 422676; D28481; Hs.1570; histamine receptor H1; 7tm_1;TM=Y;SS=M; 3.02
 450267; AW505538; Hs.243620; ESTs; pkinase,none; 3.01
 400566; :: Target_Exon; none;TM=Y;; 3.01
 407816; AW500857; Hs.40137; anaphase-promoting complex 1; meiotic checkpoint regulator; PI-PLC_X,C2,SH2,PH,SH3,PI-PLC-Y,PAN,none; 3.01
 429763; AA884407; Hs.21595; protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase); Y_phosphatase,Band_41,PDZ;SS=M; 3.01
 417067; AJ001417; Hs.8108; solute carrier family 22 (extracellular monooamine transporter), member 3; sugar_ir;TM=Y;SS=M; 3.00
 50 403212; :: NM_019595; Homo sapiens intersectin 2 (ITSN2), mRNA; (CHRNA9), mRNA; SH3,efhand,C2,PH,RhoGEF;TM=M; 3.00
 410141; R07775; Hs.287976; Homo sapiens cDNA FLJ21291 fs, clone COLD1963; F5_F8_type_C,pkinase,Ets,none; 3.00
 421059; AI654133; Hs.30212; thyroid receptor interacting protein 15; none,none; 3.00
 452335; AW188944; Hs.61272; ESTs; none,IR;C; 2.99
 437644; AA748575; Hs.136748; lectin-like NK cell receptor; lectin_c;TM=Y;SS=M; 2.99
 55 435876; AW812586; Hs.180221; G protein-coupled receptor 48; 7tm_1,LRR,LRRNT;TM=Y;SS=M; 2.99
 429177; AA447527; Hs.207429; ESTs; 7tm_1,none; 2.99
 445289; BE466067; Hs.22560; ESTs; 3Beta_HSD,pkinase; 2.99
 454701; AW854930; gi|PM-CT0263-201099-003-f06 CT0263 Homo sapiens cDNA; mRNA sequence; SH2,STAT,STAT_bind,STAT_prot,none; 2.99
 409995; AW960597; Hs.129205; ESTs; pkinase,none; 2.98
 60 446860; AW660685; Hs.282853; ESTs; none,PP2C; 2.98
 438684; AA830105; Hs.194976; SH2 domain-containing phosphatase anchor protein 1; Ig;TM=Y;SS=M; 2.98
 434164; AW207015; Hs.149135; serine/threonine kinase 33; pkinase;TM=M;; 2.98
 403290; :: C10001011_gi|4758212|ref|NP_004411.1| dual specificity phosphatase 8 [Homo sapiens] gi|601; none;TM=M; 2.87
 433650; W56921; Hs.111469; calcium/calmodulin-dependent protein kinase (CaM kinase) II delta; pkinase,none; 2.87
 421990; T31811; Hs.410480; DC12 protein; GKA,DP1E9;TM=M; 2.97
 65 428315; AA688152; Hs.80505; ESTs; pkinase,none; 2.97
 411140; AW18463; gb:RC5-ST0293-061299-031-C07 ST0293 Homo sapiens cDNA; mRNA sequence; Choline_kinase,Cam_acyltransf,Sulfatase,Cam_acyltransf; 2.97
 453999; H47802; Hs.7557; FK506-binding protein 5; none,none; 2.97
 401342; :: Target_Exon; none,none; 2.97
 70 453020; AL162039; Hs.31422; Homo sapiens mRNA; cDNA DKFZp434M229 (from clone DKFZp434M229); dNK,none; 2.96
 410976; R36207; Hs.26029; hypothetical protein MGC10744; none;TM=M;SS=M; 2.96
 431074; BE072772; Hs.153279; ESTs; Moderately similar to A46010 X-linked retinopathy protein [H.sapiens]; none,serpin; 2.96
 443829; AI087954; Hs.23348; S-phase kinase-associated protein 2 (p45); F-box,none; 2.96
 400356; AF227137; taste receptor, type 2, member 13; none;TM=Y;SS=M; 2.95
 422559; AW247696; Hs.155839; hypothetical protein MGC12934; adz_zinc_PGK,Semialdehyde_dh;SS=M; 2.95
 75 423482; BE280172; Hs.128228; galactokinase 2; GHMP_kinases;TM=M; 2.95
 438330; AW450572; Hs.257316; ESTs; pkinase,zf-C4,ERM,CNH,none; 2.95
 414581; AA258212; Hs.72010; ESTs; none; Cam_acyltransf,Choline_kinase,SCO1-SerC,Glycos_transf_3,Glycos_trans_3N; 2.95
 453058; AW612293; Hs.288684; Homo sapiens cDNA FLJ11750 fs, clone HEMBA1005568; SH2,SH3,C2,PH,RasGAP,none; 2.95
 430558; AW967807; Hs.13797; ESTs; HECT,none; 2.94
 80 400471; :: Target_Exon; none;TM=M; 2.94
 419459; AW281126; Hs.278422; DKFZP5B6G1122 protein; Metallophos; 7tm_1; 2.94
 407013; U35637; gb:Human nebulin mRNA, partial cds; SH3,Nebulin; 2.94
 421476; AW953805; Hs.21867; ESTs; Piwi,PAZ,Piwi; 2.94

- 426806; T19228; Hs.172572; hypothetical protein FLJ20093; ank,phosphatase,UPF0073;SS=M; 2.94
 405588; ; NM_000299; Homo sapiens plakophilin 1 (ectodermal dysplasia/skin fragility syndrome) (PKP1), mRNA; Armadillo_seg;TM=M; 2.94
 443614; AV655386; Hs.7645; fibrinogen, B beta polypeptide; none;none; 2.94
 416737; AF164335; Hs.79691; UM domain protein; LIM_PDZ;TM=M; 2.93
 5 428522; R10184; Hs.191987; ESTs, Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens];
 none,AufGap,PH,TNFR_6; 2.93
 447818; W79940; Hs.21906; Homo sapiens clone 24670 mRNA sequence; none,phosphatase; 2.93
 432925; AA878324; ; ESTs; none;none; 2.93
 10 443670; AW178935; Hs.238707; ESTs; RnaAD,DENN,dDENN,uDENN;TM=Y; 2.93
 447555; AL391662; Hs.160983; Homo sapiens, clone MGC:12318, mRNA, complete cds; none;TM=M; 2.93
 435092; AL137310; Hs.4749; Homo sapiens mRNA; cDNA DKFZp761E13121 (from clone DKFZp761E13121); partial cds; none;TM=M; 2.93
 417670; R07785; gbyf15c06_r1 Scores fetal liver spleen 1NFLS Homo sapiens cDNA clone 5' similar to contains Alu repetitive element;contains MSRI repetitive element; , mRNA
 sequence: XYPPX_ABC_membrane,ABC_Iran; 2.93
 15 424148; BE242274; Hs.1741; Integrin, beta 7; Integrin_B,EGF,metallo,PSI;TM=Y;SS=M; 2.92
 439090; Hs.347158; gbyx76a11.1 Scores fetal liver spleen 1NFLS Homo sapiens cDNA clone 5', mRNA sequence; phosphatase;none; 2.92
 408046; NM_007203; Hs.42322; A kinase (PRKA) anchor protein 2; Paralemmilin;TM=M; 2.92
 428796; AU076734; Hs.193665; solute carrier family 28 (sodium-coupled nucleotide transporter), member 2; Nucleoside_Ira2,BPD_transp_2;TM=Y; 2.92
 415272; AU016215; Hs.203186; ESTs; none,Exo_endo_phos,BNR,Atrophin-1,B56,phosphatase,ip,TPR; 2.92
 20 424775; AB014540; Hs.153026; SWAP-70 protein; eif4h,PH,Neuregulin;TM=M; 2.92
 439569; AW502166; Hs.222399; CEGP1 protein; EGF,TNFR_c6,granulin,CUB,Keratin_B,TIL;TM=M;SS=M; 2.92
 441680; AW04598; Hs.7940; RAP1, GTP-GDP dissociation stimulator 1; Armadillo_seg;TM=M; 2.91
 444784; D12485; Hs.11851; ectonucleotide pyrophosphatase/phosphodiesterase 1; Somatomedin_B,Endonuclease,Phosphodiest;TM=Y;SS=M; 2.91
 400398; AF137396; Hs.283879; ubiquitin 3; 7m_1,Ab1;TM=Y;SS=M; 2.91
 25 435592; AB30490; Hs.1466; glyceral kinase; FGGY,FGGY_C;TM=M; 2.90
 400639; ; Target Exon; none;TM=M; 2.90
 403743; ; C102604; gi|5393668|ref|NP_058989.1| kinase interacting with leukemia-associated gene (st; none;TM=M; 2.90
 418913; BE04745; Hs.91579; Homo sapiens clone 23783 mRNA sequence; Y_phosphatase,IMP4;none; 2.90
 428169; AU928984; Hs.182793; golgi phosphoprotein 2; phoxRC,UPF0118;TM=Y; 2.90
 30 403912; ; CS000394; gi|12737280|ref|XP_006682.2| kerafin 18 [Homo sapiens]|6633; none;TM=M; 2.89
 431868; BE246400; Hs.285176; acetyl-Coenzyme A transporter; none;TM=Y; 2.89
 421558; AB011125; Hs.105749; KIAA0553 protein; none;TM=M; 2.89
 444100; AA383343; Hs.22116; CDC14 (cell division cycle 14, S. cerevisiae) homolog B; Y_phosphatase,DSPC;TM=M; 2.89
 447437; U07225; Hs.339; purinergic receptor P2Y, G-protein coupled, 2; 7m_1,SH2;TM=Y;SS=M; 2.89
 431512; BE270734; Hs.2795; lactate dehydrogenase A; idh,ldh_C,SH3,phosphatase,UBA;TM=M; 2.89
 35 446801; A312783; Hs.155772; Homo sapiens thymic stromal co-transporter mRNA, complete cds; sugar_ir;TM=Y; 2.89
 420747; BE294407; Hs.99910; phosphofructokinase, platelet; PFK;TM=M; 2.88
 449459; BE546849; Hs.195046; ESTs; ank,ras,PH,ArGap,HCO3_cotransp; 2.88
 405099; ; Target Exon; C2,PI-PLC-Y,PI-PLC-X;TM=M; 2.88
 445890; AF055019; Hs.21906; Homo sapiens clone 24670 mRNA sequence; phosphatase; 2.88
 401445; ; NM_021161; Homo sapiens potassium channel, subfamily K, member 10 (KCNK10), mRNA; ion_trans;TM=Y;SS=M; 2.87
 405480; ; Target Exon; none;none; 2.87
 40189; ; Eod_Ctr0; LRR,PPA;TM=M; 2.87
 45 450125; AA005418; Hs.158186; ESTs; CIDE-N,7m_1,none; 2.87
 432056; AB040973; Hs.27285; G protein-coupled receptor 72; 7m_1;TM=Y;SS=M; 2.86
 423619; T46591; Hs.249159; adrenergic, alpha-2A, receptor; 7m_1,7m_2;TM=Y;SS=M; 2.86
 417381; AF164142; Hs.82042; solute carrier family 23 (nucleobase transporters), member 1; xen_ir,permease,RA; 2.86
 420305; AF279108; Hs.187908; ESTs, Weakly similar to A47582 B-cell growth factor precursor [H.sapiens]; HATPase_c,MOZ_SAS_zf-C2H2; 2.86
 425480; AB023198; Hs.158139; KIAA0981 protein; PIP5K;SS=M; 2.86
 50 446700; AW206257; Hs.156326; Human DNA sequence from clone RP11-145L22 on chromosome 6p21.32-22.2. Contains the gene for myelin/oligodendrocyte glycoprotein MOG, (part of) the gene for a novel KRAB box containing C2H2 type zinc finger protein, ESTs, STs, GSSs and a putative CpG; none;TM=M; 2.86
 444595; AL121094; Hs.83572; hypothetical protein MGC14433; Y_phosphatase,SH2,Y_phosphatase,SH4; 2.85
 411331; AW837178; gi|QV1-LT0037-070300-100-d11 LT0037 Homo sapiens cDNA, mRNA sequence; SH2;none; 2.85
 410763; AF279145; Hs.8966; hypothetical protein FLJ21776; none;none; 2.85
 440617; AA894880; Hs.181181; ESTs; none;none; 2.85
 55 454071; AI041793; Hs.42602; ESTs; 7m_1,none; 2.85
 411040; AF007393; Hs.177574; protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor); HLU;TM=M; 2.85
 402163; NM_004491; Homo sapiens glucocorticoid receptor DNA binding factor 1 (GRFL1), mRNA; none;SS=M; 2.85
 428753; AW939252; Hs.192927; hypothetical protein FLJ20251; none;TM=M; 2.84
 60 417070; Z19077; Hs.172004; ttn; fn3,g,SGXGSG,phosphatase;TM=M; 2.84
 458456; AI122709; Hs.153608; ESTs; hZIP,Armadillo_seg,rrn,NTF2;none; 2.84
 421226; AL056748; Hs.102708; DKFZP434A043 protein; Armadillo_seg,Integrin_B,PSI,TIG;TM=M;SS=M; 2.84
 436733; BE5327477; Hs.166941; ESTs; 7m_3,oxidized_q5_N,Presentin,FW; 2.84
 427181; AI024598; Hs.9750; a disintegrin and metalloproteinase domain 8; Ig;TM=Y;SS=M; 2.84
 419462; AF071076; Hs.112255; nucleophosin 90kD; DEAD,halicase_C,Nucleophosin_FG,homeobox;SS=M; 2.83
 65 413658; AA055369; Hs.75456; A kinase (PRKA) anchor protein 10; none;none; 2.83
 400749; ; NM_003105; Homo sapiens sortilin-related receptor, L(DLR class) A repeats-containing (SORL1), mRNA;
 EGF,m3,ldl_recept_a,kl1,recept_b,granulin,BNR;TM=Y;SS=M; 2.83
 447388; AW630534; Hs.76277; Homo sapiens, clone MGC:9381, mRNA, complete cds; TB2_DP1_HVA22;TM=Y;SS=M; 2.83
 413243; AA78266; Hs.193657; ESTs; phosphatase_zf-C4,ERM,CNH;none; 2.83
 70 423690; AA328648; Hs.23804; ESTs, Weakly similar to PN099 son3 protein [H.sapiens]; ion_trans,IQ;none; 2.82
 447993; AW139525; Hs.170352; ESTs; none;none; 2.82
 423061; AI290473; Hs.44807; ESTs; Integrin_B,Sema,PSI,TIG;none; 2.82
 440618; AW408596; Hs.91052; ESTs, Moderately similar to ALU5_HUMAN ALU SUBFAMILY SC SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens];
 abhydrolase_2;none; 2.82
 75 423497; U92642; Hs.129701; G protein-coupled receptor 45; 7m_1;TM=Y;SS=M; 2.81
 446126; AW085909; Hs.10117; pleckstrin homology domain interacting protein; none;none; 2.81
 452488; NT4921; Hs.184389; ESTs; none;TM=M; 2.80
 449515; AI653378; Hs.302012; ESTs; ion_trans;TM=Y;SS=M; 2.79
 80 443681; RA84512; Hs.237146; hypothetical protein FLJ12752; none;none; 2.79
 449630; AI656608; Hs.281328; ESTs, Weakly similar to T00378 KIAA0641 protein [H.sapiens]; phosphatase,hormone3;TM=Y;SS=M; 2.78
 424348; AB020523; Hs.266258; endonuclease G-like 1; Endonuclease;TM=M;SS=M; 2.78
 418844; M62982; Hs.1200; arachidonate 12-lipoxygenase; lipoxygenase,PLAT;TM=M; 2.78
 442233; AW957149; Hs.28439; ESTs, Weakly similar to I38022 hypothetical protein [H.sapiens]; MIF,sugar_ir;none; 2.78

450010; AW293801; Hs.255052; ESTs; ARID,7tm_1; 2.78
 452813; U54727; Hs.191445; ESTs; phosphatase,Activin_recp,none; 2.78
 418177; N44987; ESTs; phosphatase,none; 2.78
 408014; AA723782; Hs.41749; protein kinase, cGMP-dependent, type II; cNMP_binding,phosphatase;SS=M; 2.77
 5 448362; AA541767; Hs.21015; hypothetical protein DKFZp564.0864 similar to HAT1; sugar_in,TM=Y;SS=M; 2.77
 423994; X01057; Hs.1724; Interleukin 2 receptor, alpha; sush1,TM=Y;SS=M; 2.77
 427342; AL110150; Hs.176880; Homo sapiens mRNA; cDNA DKFZp564D0724 (from clone DKFZp564D0724); none;NA;NA; 2.76
 447574; AF162666; Hs.18895; touloud-like kinase 1; phosphatase;TM=M; 2.76
 10 442681; AB089182; Hs.130807; ESTs; transketolase,E1_dehydrogen,transketolase,transketolase_C,phosphatase; 2.75
 436367; AW024214; Hs.102307; ESTs; Na₊ sulph_ sym,aa_pemases;TM=Y;SS=M; 2.75
 458997; AW937420; Hs.68662; ESTs; SH3,RhoGAP,FCH,TM=M; 2.75
 432284; AA532807; Hs.105822; ESTs; phosphatase,none; 2.74
 406139; ; Target Exon; Ig,Tub,TM=Y;SS=M; 2.74
 15 439516; W76326; gbdzdb0d4.1r1 Soares_fetal_heart_NbH19W Homo sapiens cDNA clone 5' similar to contains Alu repetitive element; mRNA sequence; Armadillo_seq,none; 2.74
 428536; AI413319; Hs.2288; v-krvin-like 1; effhand;SS=M; 2.73
 400211; ; NM_003897; Homo sapiens PAK-interacting exchange factor beta (P85SPR), mRNA. VERSION NM_003897.1 GI; SH3,PH,RhoGEF,Terpane_synth;TM=M; 2.73
 402129; ; Target Exon; SH2,Peptidase_C9,TM=M; 2.73
 20 424238; AA337401; Hs.137635; ESTs; none;TM=M;SS=M; 2.73
 438384; AA620742; Hs.130786; ESTs; SPX,EXS;TM=Y; 2.73
 409339; AB020686; Hs.54037; ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative function); Sulfatase,Phosphodiester;TM=M;SS=M; 2.73
 408163; AW779842; Hs.258217; ESTs; 7tm_1,zf-B_box,zf-C3HC4,7tm_1,zf-B_box,zf-C3HC4; 2.73
 422358; AL133030; Hs.115429; Homo sapiens mRNA for KIAA1656 protein, partial cds; SH3;TM=M; 2.73
 25 426408; AA594207; gbr:nn29e01.s1 NCI_CGAP_Gas1 Homo sapiens cDNA clone 3', mRNA sequence; phosphatase,Fibrillarin,none; 2.72
 400645; ; Target Exon; Ig,chan,SBP_bac_3,ANF_receptor,none; 2.72
 443561; AA335609; Hs.108621; Homo sapiens cDNA FLJ23313 fs, clone HEP11919; adenylatekinase,none; 2.71
 442672; AI01922; Hs.135121; hypothetical protein FLJ22416; none;HSP70; 2.71
 409317; U20165; Hs.53250; bone morphogenetic protein receptor, type II (BMPR2); phosphatase,Activin_recp;TM=M;SS=M; 2.71
 403201; ; Target Exon; none; 2.71
 30 459567; AW848421; ; gbr:IL3-CT0214-150200-075-B11 CT0214 Homo sapiens cDNA, mRNA sequence; ABC_Itran,ABC_membrane,Ion_trans; 2.70
 439935; S75105; Hs.8385; glutamyl receptor, ionotropic, kainate 2; ANF_receptor,Ig,chan,none; 2.70
 414924; C06267; Hs.44247; ESTs; none;none; 2.69
 421008; BE269378; Hs.103147; hypothetical protein FLJ21347; DUF255; 2.69
 35 449951; AA004982; Hs.120904; ESTs; DED,Calsequestrin; 2.69
 411226; AW833022; ; gbr:RC3-TT0005-191099-012-d02-TT0005 Homo sapiens cDNA, mRNA sequence; phosphatase,none; 2.68
 417625; U59305; Hs.44708; Ser-Thr protein kinase related to the myotonic dystrophy protein kinase; phosphatase,bZIP,G-gamma,K-box,phosphatase_C;SS=M; 2.68
 408051; AI623351; Hs.172148; ESTs; PH,RhoGAP,none; 2.68
 412521; AW753481; Hs.294022; hypothetical protein FLJ14950; SH2;TM=M; 2.68
 403922; AI535985; Hs.221024; ESTs; Ion_trans,RYDR_JTPR,MIRUDPGT; 2.68
 40 432188; AI362952; Hs.2928; solute carrier family 7 (cationic amino acid transporter, y system), member 1; aa_pemases;TM=Y;SS=M; 2.67
 415516; F141111; ; gbr:HSC2W081 normalized infant brain cDNA Homo sapiens cDNA clone c-2wf08, mRNA sequence; Ion_trans,none; 2.67
 419749; X73608; Hs.93029; sarcoglycan, c1cvc and kazal-like domains proteoglycan (testisican); kazal,thyroglobulin_1;SS=M; 2.66
 416095; AW014327; Hs.221951; ESTs; Weakly similar to I38022 hypothetical protein [H.sapiens]; Ig,zf-C3HC4,Cbl_N,Cbl_N2,Cbl_N3,none; 2.66
 403809; ; C3001189;gi|7494834|p|B0286.2 - Caeorhabditis elegans[41]; 7tm_1,7tm_2,GPS,WIF;TM=Y;SS=M; 2.66
 45 458213; AI047521; Hs.12210; hypothetical protein FLJ13732 similar to tensin; phosphatase,none; 2.66
 426158; NM_001982; Hs.199067; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3; Furin-like,phosphatase,Recep_L_domain,Furin-like,phosphatase,Recep_L_domain,Peptidase_M24; 2.66
 435410; AI135067; Hs.117182; ESTs; none;phosphatase,RBD,DAG_PE-bind; 2.66
 50 437838; AI072229; Hs.184304; ESTs; CARD,ICE_p20,ICE_p10,HTT,voltage_CLC,CBS,HDCA_Isomerase; 2.66
 430299; AI416988; Hs.238272; kiosin 14,5-triphosphate receptor, type 2; Ion_trans,RYDR_JTPR,MIR,none; 2.66
 433090; AI720050; ; immortalization-upregulated protein; none;SS=M; 2.65
 432103; T15803; Hs.272453; protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha); Metallophos;TM=M; 2.65
 435852; H72303; Hs.38011; ESTs; phosphatase,none; 2.64
 55 433327; AI567477; Hs.128744; ESTs; none;7tm_1; 2.64
 438459; T49300; Hs.35304; Homo sapiens cDNA FLJ13655 fs, clone PLACE1011503; none;FMO-like; 2.64
 432251; AW872983; Hs.232165; polycythemia rubra vera 1; cell surface receptor; none;TM=M;SS=M; 2.63
 446963; AI862668; Hs.176333; ESTs; CMPdeacase,Probosyltran,phosphatase,RhoGEF,PH; 2.63
 444821; AA063584; Hs.12040; STE20-like kinase; phosphatase;TM=M; 2.63
 60 436206; AIK001451; CD2-associated protein; none;none; 2.63
 434370; AI130986; Hs.58346; ectodysplasin 1, anhidrotic receptor; death,Kunitz_BPT;TM=Y;SS=M; 2.63
 439039; AI658707; Hs.48713; ESTs; phosphatase,none; 2.63
 449658; AA002008; Hs.188633; ESTs; PIP5K;none; 2.63
 429341; X73874; phosphotyrosine kinase, alpha 1 (muve); none;TM=M; 2.62
 65 445174; AV652850; Hs.172004; Itn; fn3,ig,SGXXSG,none; 2.62
 424950; AA602817; Hs.156974; ESTs; none;CDP-Oh_P_Itran; 2.62
 438141; AW946871; ; gbr:RC2-ET0022-080500-012-d02-ET0022 Homo sapiens cDNA, mRNA sequence; SH2,STAT,STAT_bind,STAT_prot,none; 2.61
 434938; AW500718; Hs.8115; Homo sapiens, clone MGC_16169, mRNA, complete cds; phosphatase,TBC,Rhodanase;TM=M;; 2.61
 409244; NM_014937; Hs.52463; KIAA0966 protein; Syla;NT=M; 2.60
 458438; AI141520; Hs.151464; ESTs; Weakly similar to ALU_C_HUMAN III ALU CLASS C WARNING ENTRY III [H.sapiens]; phosphatase,none; 2.60
 70 400719; ; NM_004055; Homo sapiens calpastatin 5 (CAPNS5), mRNA. VERSION NM_004335.2 GI; C2,Peptidase_C2,Caspain_II,II;TM=M;; 2.60
 427318; AF185081; Hs.175783; zinc transporter; Zn;TM=Y;SS=M; 2.59
 426066; T94907; Hs.188572; ESTs; PH,Ebs,CH,specrin,Ca_channel_B,none; 2.59
 430105; X70297; Hs.2540; cholinergic receptor, nicotinic, alpha polypeptide 7; Neur_chan_LBD,Neur_chan_memb,phosphatase;TM=Y;SS=M; 2.58
 411498; AP000683; Hs.70359; KIAA0136 protein; HATPase_c,bZIP;TM=M; 2.58
 75 438167; R28363; Hs.24286; ESTs; none;TM=Y;SS=M; 2.58
 418749; N75147; Hs.22488; ESTs; none,zf-C2H2,KRAB,phosphatase; 2.58
 454289; AL137554; Hs.49927; protein kinase NYD-SP15; dCMP_cyt_deam;TM=M;; 2.58
 443605; HO6865; Hs.134131; ESTs; effhand,ion_trans,none; 2.57
 429429; AA829725; Hs.334437; hypothetical protein MGC4248; none,transmembrane4; 2.57
 80 403088; ; NM_003319; Homo sapiens Itln (TN), mRNA; mRNA; fn3,ig,SGXXSG;TM=M;; 2.57
 409190; AU076556; Hs.50984; sarcoma amplified sequence; transmembrane4;TM=Y;SS=M; 2.57
 426698; AW369332; Hs.171844; Homo sapiens cDNA; FLJ22296 fs, clone HRC04468; Ig;TM=Y;SS=M; 2.56
 403328; ; Target Exon; Glyco_hydro_35;TM=M;; 2.56

- 426167; AF039023; Hs.167496; RAN binding protein 6; Armadillo_seg,HEAT_PBS;; 2.56
 426895; AI355647; Hs.189999; purinergic receptor (family A group 5); 7tm_1;TM=Y;SS=M; 2.54
 419285; D31887; Hs.89868; KIAA0062 protein; Zip;TM=Y;SS=M; 2.54
 415740; N80486; Hs.39914; Homo sapiens mRNA for FLJ00089 protein, partial cds; CBM_21;TM=M;; 2.53
 5 403305; NM_006525; transmembrane protein (63kD), endoplasmic reticulum/Golgi intermediate compartment; pkinase;TM=Y;SS=M; 2.53
 443804; AL135352; Hs.255883; ESTs; Weakly similar to I38022 hypothetical protein [H.sapiens]; Peptidase_M18,Peptidase_M18,Y_phosphatase; 2.53
 450425; H06607; Hs.6099; ESTs; E1-E2_ATPase,Cation_ATPase_C,Cation_ATPase_N,Hydrofase,none; 2.51
 401702; ; NM_001171; Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 6 (ABCC6), mRNA;; ABC_tran,ABC_membrane;TM=Y;SS=M; 2.50
 439463; W69394; gb:zxd46101.1r Soares_fetal_heart_NHII19W Homo sapiens cDNA clone 5;, mRNA sequence; fn3,Y_phosphatase,none; 2.50
 10 425975; AB011082; Hs.165559; organic cationic transporter-like 4; sugar_ir;TM=Y;; 2.50
 443259; AW090601; Hs.69171; protein kinase C-like 2; pkinase,pkinase_C,HR1,none; 2.50
 400777; ; NM_007325; Homo sapiens glutamate receptor, ionotropic, AMPA 3 (GRIA3), transcript variant flp, mRNA; Ig Chan,SBP_bac_3,ANF_receptor;TM=M;SS=Y; 2.49
 15 426044; AA502490; Hs.170293; ESTs; none,none; 2.48
 454564; AW807573; gb:MR1-ST0088-021299-004-g01 ST0088 Homo sapiens cDNA, mRNA sequence; pkinase,none; 2.48
 415938; BE383507; Hs.78921; A kinase (PRKA) anchor protein 1; KH-domain,TUDOR;TM=M;SS=M; 2.47
 426481; AW063941; gb:ESTT376014 MAGE resequences, MAGH Homo sapiens cDNA, mRNA sequence; Y_phosphatase,Bnd_41,DSPC,none; 2.46
 426005; AA377499; gb:EST03041 Synovial sarcoma Homo sapiens cDNA 6' end, mRNA sequence; tubulin,FKBP,COX6B,7tm_1,tubulin_C;SS=M; 2.46
 20 424879; AA348013; Hs.273385; ESTs; arf,G-gef,none; 2.46
 415156; XB4908; Hs.78060; phosphorylase kinase, beta; none;TM=M;; 2.46
 416608; R39769; ESTs; Moderately similar to ALU8_HUMAN ALU SUBFAMILY SX SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; SH3,PDZ,Guanylate_Kinase,2U5,none; 2.46
 408087; AW150545; gb:zg5407x1 NCL_CGAP_U4 Homo sapiens cDNA clone 3;, mRNA sequence; XYPPX,ABC_membrane,ABC_iran; 2.46
 433434; AAB58429; gb:nc022003s1 NCL_CGAP_Pt22 Homo sapiens cDNA clone 3;, mRNA sequence; pkinase,DNA_mls_repair,HATPase_c; 2.45
 25 446768; AV668030; Hs.110286; ESTs; ICE_p20,DED/CE_p10,ICE_p20,DED; 2.45
 437158; AW090198; KIAA1160 protein; none;NA;NA; 2.45
 430177; K9959233; Hs.302746; MSTP028 protein; K_letr,none; 2.45
 422270; AF114494; Hs.114062; protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a; none;TM=Y;; 2.45
 30 430680; AW138724; Hs.168974; ESTs; Highly similar to ALU7_HUMAN ALU SUBFAMILY SQ SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; Y_phosphatase,Adaptin_N,Y_phosphatase; 2.45
 446569; AW248031; Hs.155839; hypothetical protein MGC12934; adh_zinc,PGK,Semialdehyde_dh;SS=M; 2.44
 411902; AW875344; gb:RC1-PT0009-220300-013-f05 PT0009 Homo sapiens cDNA, mRNA sequence; none,pkinase,ank; 2.43
 430057; AW450303; Hs.2534; bone morphogenic protein receptor, type 1A (BMPR1A) (ALK-3); Activin_recip,pkinase;TM=Y;SS=M; 2.43
 446358; AI289121; Hs.205978; ESTs; none;SH3; 2.42
 35 428221; AB037881; Hs.110613; KIAA0421 protein; none;Ribosomal_B8; 2.42
 446796; AI652497; Hs.110103; RNA polymerase I transcription factor RRN3; none,none; 2.41
 428350; H10291; Hs.30974; ESTs; pkinase,PBD,none; 2.40
 428379; X08026; Hs.2259; CD3G antigen, gamma polypeptide (ITIM complex); ITAM;TM=Y;SS=M; 2.40
 40 432488; AA551010; Hs.216640; ESTs; Na_sulph_symp,none; 2.40
 407235; D20569; Hs.169407; SAC2 (suppressor of actin multilobes 2, yeast, homolog)-like; none,Ribosomal_S13,Galactosyl_T,Zip,adh_short,zf-C3HC4; 2.40
 448595; AB014544; Hs.21572; KIAA0944 gene product; LRR_LRRCT;TM=Y;SS=M; 2.40
 428283; AI430986; Hs.323079; Homo sapiens mRNA; cDNA DKFZp564P116 (from clone DKFZp564P116); Y_phosphatase,fn3,jg,none; 2.39
 432450; H12912; Hs.274891; adenylyl kinase 3; adenylylkinase,none; 2.38
 429545; AI333013; Hs.250505; retinoic acid receptor, alpha; none,zf-C3HC4,BRCT,Ig Chan; 2.38
 429303; AW137635; Hs.44238; ESTs; Weakly similar to S85657 alpha-1C-adrenergic receptor splice form 2 [H.sapiens]; Phosphol ester,Serine/arginine-rich endonuclease,none; 2.36
 417473; M56268; Hs.82201; casein kinase 2, alpha prime polypeptide; pkinase,ABC1;TM=M;; 2.35
 453186; AK001708; Hs.32271; hypothetical protein FLJ0846; TK,DUF300;TM=Y;SS=M; 2.33
 447276; AL049795; Hs.179787; hypothetical protein MGC1203; none;TM=M;; 2.33
 50 445310; AI242490; Hs.153290; Homo sapiens cDNA FLJ14318 fs, clone PLACE300402; none,pkinase; 2.31
 432942; AF083955; Hs.279852; G protein-coupled receptor; 7tm_1,globin;TM=Y;SS=M; 2.30
 434693; AW937601; Hs.337603; ESTs; none,none; 2.26
 452034; F12234; Hs.75893; ankyrin 3, node of Ranvier (ankyrin G); ZU5,death,none; 2.25
 423732; AF056056; Hs.132183; solute carrier family 16 (monocarboxylate/acid transporters), member 7; sugar_ir;TM=Y;SS=M; 2.25
 55 404956; ; C1003210*; gb:zg16812582/reINP_036524.1| pefin [Homo sapiens] gi|6009487|gb|BAAB4322.1| (AB); none,PI3_P14_kinase,PI3K_C2,PI3K_rbd,PX,PI3K_a,C2; 2.24
 452183; NM_005594; Hs.26298; adaptor-related protein complex 4, beta 1 subunit; Adaptin_N,Y_phosphatase; 2.23
 420529; D26259; Hs.319844; ESTs; Moderately similar to [64374 gene] NF2 protein [H.sapiens]; pkinase,DAG_PE-bind,RBD,res,DC1,GFP;TM=M;; 2.21
 408808; BE074219; Hs.17230; hypothetical protein FLJ20287; Armadillo_seg;TM=M;SS=M; 2.21
 451932; AI360954; Hs.27268; Homo sapiens cDNA; FLJ21933 fs, clone HEP04337; SH3,PH,RhoGEF;TM=M;; 2.21
 60 432008; AW295791; Hs.193170; hypothetical protein FLJ21687; LIM,Sympathophysin,ion_Trans,KOW; 2.20
 455840; BE145839; gb:MR0-HT208-221299-204-b07 HT0208 Homo sapiens cDNA, mRNA sequence; PI3_P14_kinase,PI3K_a,PI3_P14_kinase,PI3K_a; 2.19
 429238; NM_002849; Hs.198286; protein tyrosine phosphatase, receptor type, R; Y_phosphatase;TM=Y;SS=M; 2.19
 430975; AA490055; gb:ab050581.s1 Strengthened fetal retina 337202 Homo sapiens cDNA clone 3;, mRNA sequence; adenylyl kinase,Thymidine_kin;TM=M;; 2.17
 407174; T79938; Hs.77052; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5; Ig,none; 2.16
 450921; AA098790; Hs.148245; ESTs; Moderately similar to T17242 hypothetical protein DKFZp588B1417.1 [H.sapiens]; none;NA;NA; 2.15
 65 427209; H05509; Hs.92423; KIAA1666 protein; pkinase;TM=M;; 2.14
 401917; AI050149; RAN binding protein 3; Orexin,SH2,STAT,STAT_bind,STAT_prot,ion_trans,PAC,PAS,none; 2.12
 426369; AA376409; Hs.108662; Homo sapiens cDNA FLJ23313 fs, clone HEP11919; adenylyl kinase,none; 2.07
 439520; W76548; Hs.336821; ESTs; Moderately similar to ALU5_HUMAN ALU SUBFAMILY SC SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; ion_trans,none; 2.06
 70 70 410439; R35943; Hs.63758; transfrin receptor 2; PA;TM=Y;; 2.05
 448686; AI564709; Hs.173070; EST; Weakly similar to ZN42_HUMAN ZINC FINGER PROTEIN 42 (MYELOID ZINC FINGER 1) (MZF-1) [H.sapiens]; none,zf-C2H2; 2.04
 449543; AF070632; Hs.23729; Homo sapiens clone 24405 mRNA sequence; K_Jtral,ion_trans,none; 2.04
 453498; AA442103; Hs.33084; solute carrier family 2 (facilitated glucose/fructose transporter), member 5; sugar_ir;TM=Y;SS=M; 2.02
 75 443952; AI149106; Hs.143530; ESTs; pkinase,none; 2.02
 437589; AA761322; Hs.269862; ESTs; SH2,SH3,C2,PH,RasGAP,none; 2.02
 422637; AA389024; Hs.118836; myoglobin; globin;TM=M;; 2.01
 450253; AL133047; Hs.24715; Homo sapiens mRNA; cDNA DKFZp434D0215 (from clone DKFZp434D0215); partial cds; SH3;TM=M;; 1.97
 401984; ; C17000146*; gi|2143629|p|J457156 Ca2+-calmodulin-dependent protein kinase (EC 2.7.1.123) t; pkinase; 1.96
 453464; AI884911; Hs.32989; receptor (calcitonin) activity modifying protein t; none;TM=Y;; 1.95
 80 417733; AL048878; Hs.82503; Homo sapiens mRNA for 3UTR of unknown protein; none;NA;NA; 1.94
 411450; H49819; Hs.127301; ESTs; pkinase,none; 1.82
 406303; ; C16000922; gi|7499103|p|T20903 hypothetical protein F14F4.3b - Caenorhabditis elegans gi; ABC_iran,GTP_EFTU,PRK,ABC_membrane;TM=Y;; 1.80
 425009; X58288; Hs.154151; protein tyrosine phosphatase, receptor type, M; fn3,jg,Y_phosphatase,MAM;TM=Y;SS=M; 1.74

425280; U31519; Hs.1872; phosphoenolpyruvate carboxykinase 1 (soluble); PEPCK;TM=M; 1.65
 425958; AW163271; Hs.301839; intracellular antigen detected by monoclonal antibody Ki-1; Intracellular hyaluronan-binding protein; Y_phosphatase;DSPc;TM=M; 1.63
 432563; NM_013261; Hs.198468; peroxisome proliferative activated receptor, gamma, coactivator 1; rnr;TM=M; 1.51

5 TABLE 49B

Pkey: Unique Eos probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

	Pkey	CAT Number	Accession
15	438091	22448_1	AK054860 AV662198 AV652192 AV652138 AV652127 AV652194 BE935919 AV652017 AV651995 AV651548 AV646063 AV651985 AV646184 AV646179 AW880409 AA345002 BF155189 BE068931 X56197 AL603014 AW853629 BM263546 BE550772 AA701084 AI681352 AA358689 AW938841 BF43B147 W05391 H75313 BF326185 AV646335 AV651589 AV646340 AV651992 AV646384 AV646364 AV687497 BF155183 AV646370 AW797878 AI906821 X56196 BE833835 AA628440 BE833808 BF224205 AA709126 BE873807 AI923886 AA947932 AB276125 AI185720 AW510598 AB987230 BE67708 AW898528 AW898544 AI146584 AW943642 AI28B245 AI186932 AI635262 AI139455 AI298739 AI813854 AI024768 BE699445 BE699444 AI707807 D52654 AI241518 AI004723 AI59085 AW087420 AI565133 AA845571 AW898522 BF110144 AW513280 AI081126 BF362770 AI268939 AI435818 BF475318 AI024767 BE174213 AA757598 AA513019 AA802959 AI860794 AI334784 BF106411 BM310532 AW513791 AI337671 BF095608 BF095601 BF095488 AW898091 BF095763 AW243400 AW898807 AW898616 BG362782 AI922204 AW898625 BE899468 BE174198 AW102923 D52715 BE899465 D52477 D505170 BF855933 BG523563 AV646254 AA463522 BI003244 AI299190 W04188 BE174210 BF939091 BF434180 AW579001 T55662 H01811 T52522 BF945037 BF955938 D54679 D53933 R67100 BG925552 BF999056 RB83430 Z28922 Z285791 W03342 H63289 AI091537 BF086583 AA345570 H48870 H80720 T83523 BI039626 BI037700 R00353 T155184 N98343 N97907 H01812 M5581
20	411089	5597_6	BI009308 BI098993 BF922028 BF922009 BF922293 BF922096 BF957733 BE701791 AA456454 AA679876 BF933710 AA091294 B1007291 AW905577 AW975593 AA713730 AW836781 AA686384 AA561106 BF594605 AI082382 AI955008 AI679895 AI679386 BF435555 AA5856369 AA581351 AA565822 AA565188 BF088855 AA584921 N68077 AA601031 AA633189 AA147454 AA454562 AA551297 AA936109 BI009389 AW897806 BE815442 BF739374 BI009310 BF925422 BF933709 BF922034 BF525465 BI009380
25	439285	22495_1	AF086101 AL133916 AW955684 AW950828 AA348341 AI867454 BM283376 BF432291 AI421279 AI655270 AW014882 BF439949 AA775552 N62251 AA562243 N59253 AI341407 AA465968 AA457077 AI358916 AA364013 N79113 N54784 BE175639 N76721 AV727392 Z45529 Z44343 F05908 F05403 F05398
30	438089	22448_4	BM475665 BE644917 AW770789 AW952971 N64863 BM263259 A1224545 AI184866 N69114 AW518902 AI440169 AA809472 AV654440 AA281642 AU185280 AW337362 AI872923 AI537113 N73882 T83378 H63731 BE71764 AW897824 AI811204 AA344646 BE009112 BG898664
35	432407	MH1429_12	H91240 R06426 N41701 BG036576 BF772005 BF771866 BG960386 BG980381 NM_005712 AF110315 BE074534 BE182776 BE158000 BE157998 BE174315 AW81804 AW847519 AA089426 AW817981 AW856396 AW896122 AA0024498 AB038542 AW821833 BG920155 AI732411 BG778834 BG283641 BE48279 BE748870 BG319540 BE748654 BF739224 BG986155 AK057283 BE614665 AA663341 AA457951 AI949294 AW392686 AA071122 AA227849 AA584918 BG959570 BF773485 AL041688 BF559013 R87170 C16859 BF770411 BF771298 AI075321 L13823 AA216700 BF771864 AW851859 BE537068 C18935 AA155719 BF771172 BF769107 BF04964 AW818172 AW818143 AW392930 AW817057 AW858044 BF745211 AA179928 AW861687 AW821826 BI055726 BF242843 AA207189 BF770412 BF771177 BG430030 AA05592
40	414883	B371_2	AF274943 BG494944 AT170574 AA908783 AI935101 AI422891 AA910644 AA583187 BM272167 AI828996 AA527373 AW972459 AI831360 AA772418 AI033892 AA100926 AI54749 AI49432 AI23513 AI094597 AA740817 AI951998 AI092026 BI312104 BI256707 AA459522 AA416871 AI075239 AI339995 AI071623 AI39549 AI33880 AI633648 AA989380 AI949380 AI362385 AA399239 AI46955 BF514270 N92892 AI348243 AI278887 AA459292 AI494230 BF507591 AI492600 AA652958 AW6130202 AA293140 AA235549 BF108554 AA854344 N49682 AI457100 AW859407 AW300758 BE220715 BE220698 BE869091 BM009647 BF900351 AI37692 AI203792 AI857576 AA584410 AW371667 BM172363
45	451320	12225_2	AK057826 AI618622 AA244195 AT01458 AB890570 AW866582 AW071907 AI671352 AI375892 T03517 AI124088 R88265 A084316 BF223720 AI354686 T36362 AW205836 BE931115 AI720211 T03490 BF084058 AI372537 T15415 BG054890 AA630384 P26326 AI140719 AA443303 T33230 T33823 T33511 T33785 AW118072 W20188 AI657180 T15734 AI419606 N05522 AA224388 T15909 T03515 D55812 W27899
50	400205	253B_1	NM_06265 D38551 X98294 BM477931 BM461568 AL123557 AI133303 AA134549 AW500402 BM172439 AW500587 AW503665 AW504355 AW503640 BM152454 AW505260 AI65894 AA36188 BM040570 AW500716 AI597310 BI001229 BM474371 AA984202 AU135205 BE090841 AW163750 BF747730 BF898637 AI205606 AV560870 AW692110 AW386630 AV656831 NB4710 AW993470 BF098802 BF758454 BG960772 BF757769 BE870853 BE018627 C75436 AW148743 BE577573 BG9924 AW89924 BE89924 AW853026 BF968015 AW899290 BF888662 BG536826 AA143164 AW748935 BG498922 BF889005 BF764781 BF000003 BM476529 AI627658 AW828126 AL046011 BF590668 AI017447 AA579336 AI367597 AA696962 BE205097 AI124620 AI082548 AW274985 AA687787 AI058767 BE551689 AA287642 H94499 AI752427 AI662365 AW002374 AW602651 AA680834 AI688224 AI135422 AI259360 Z8334 AA561531 AI092115 BM272171 BF242859 BG533616 EG533618 BG164745 BG492433 BM473163 AI172043 AI172069 AI157902 AI151353 AI155318 BE302211 AI375022 AA085641 AI157923 H88658 AA132730 AA115113 AA097581 AI475256 AA424206 BM272383 AW084298 AI184820 AI659178 AA762432 F82184 AA340562 BF195818 AA852821 AW576342 AA827107 AA173317 AW190014 AI918514 AA729372 AA729718 AI055958 AA313424 BE328601 AA515690 BI018696 AW628277 AA748368 AB626222 AW3B0620 BF800568 AI280909 BF26857 BG952995 BF001437 AA172077 AU155890 AI149783 AI720904 AA902936 AA885727 AI470830 AW740677 AI142982 AA462485 AI145485 AW578399 AU158042 R83448 BF246427 BE928472 D25910 BF758439 BF868785 BE656239 AA355981 AI905607 BG91146 BG533098 BG532888 BF030988 BG613766 BE928471 BG545011 AA187596 AA361186 T95557 BG531445 BG527242 BG527513 BG611106 AA085995 BF347252 BG024608 BE540261 BG531236 AL579393 BI010733 BG483503 BG71032 BG492505
55	400210	133_1	BC014030 NM_004068 BC004996 AK057863 D33475 BM468205 BG388792 BG750447 BG575842 BG479084 BG741027 AU116129 BE0901043 AU141218 BG925395 BG332276 BE363231 AU121493 AU131489 BF341132 BG335659 BI08251 AU142779 AU124483 BG480862 AU12353 BG702328 AU137668 BG759046 BI460081 BE887290 BG750415 BF127710 BG757819 BI160266 AU122086 BG24048 BG744180 BE884949 BM00610 BM072599 BI870749 BF307033 BI334771 BG480650 AU142599 AU141336 BM016563 BI335655 AU138308 BE391241 BG744888 BE278025 BG717959 BG769200 BE312567 AI38300 BE30304 BE303016 AI332052 BE338791 BG470400 BE330735 BF035197 AU134268 AU139907 BE261245 BE208718 BG7619120 AW728900 AW732692 BM011258 AW247629 AU136695 BF530078 BF204146 AL048752 BG328827 BE308395 BE260122 AU137891 BE253465 BF733914 AW249415 AW239538 BE311791 BE285236 BF529742 BG770465 AW245817 AW245813 BE266677 BE260852 BE168115 BE385595 BE280057 BE168229 AI750820 AU134137 BF792191 AI272215 AI097348 AW238875 BF085152 BF568397 BE712727 BE81443 BE001805 BF724636 BF744705 AW247385 BE796389 AU137589 AV705142 BE794402 BM465821 BG281284 AW384831 BM450689 AU134125 BE311650 BF356316 BM462831 BG420855 BE749127 AU134590 BM019438 BC013796 BG761223 BG122068 BE872076 BG748496 BG821374 BE819159 BG423244 AU137110 AU127210 BE270081 AA496880 AA351380 AA356303 AU099781 AA355912 AA371411 AA325535 US16188 AL656574 AL577204 AL525543 AL567342 AL567334 AL567122 AL565627 AL567098 BG681585 BG8224951 BI870652 BI225855 AW393878 BG750632 BI228009 BE77552 BE270473 BE389392 BE77902 BM017B45 BM171816 BE396513 BM049006 AW393945 BE768941 BE267724 BE562981 BE314236 BF744702 BM019781 BF086063 BF828673 BF829181 BI008788 BF829180 BF829175 BF433802 BE092988 BF839784 AW578564 BF943095 AW328030 AA448596 AW882688 AA909846 BF924341 AW361460 AA425174 BE940657 BF761585 BF931276 BF934686 WB8597 BF833977 BI0135906 BF835064 BF837576 BI013858 AA205908 H54612 R88902 BE812300 BE932300 BF924562 AW805376 BE769859 R87381 AA371901 BE838855 AA326381 W56191 AA341231 AA464093 AL575977 AL518850 AL547393 BG338327 AL517663 AL536921 BG207098 BG207589 BG199290 BG220159 BG744842 BG104730 AA555035 AA618009 AA881052 AA610582 AW245418 AI049083 AA521380 AW245455 AU147292 AU155236 BE562086 AW250767 BF888236 BE620819 AU154343 AU150827 AU148334
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AW069495 AA701091 AU155225 AW250019 AA666235 AU147764 AA449739 BF907598 AW043731 AU144390 AI924565 BE300631 AWB74021
 BE208088 BF732773 BF594057 AI159873 AU143930 N24100 AI052499 AI989370 AI366151 AI139248 AU144776 AA838250 AI095433 AI269227
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 AA706590 BE206615 AA861056 AIU153214 AI155712 AW069554 AI0B1124 AIU155846 AI081123 AA719876 AI754976 AI027763 AA723095
 BI518782 AW050706 F73721 N79062 AA565530 H9826 AA404670 AU158894 AI139892 AA513633 AI283202 AA51856 AI623515 AA427413
 AW248474 BF841432 BM453248 AI302390 AA808269 AI249367 AA132775 AA716732 AA479932 AI198296 AI208674 AI088433 F36977 AA496899
 AW615762 AA602541 AA341151 D58785 T15399 AI286077 W69152 F28418 AI272156 AA338034 AA568455 BE206121 AI080033 AI698880
 AA861255 AI953465 AI613240 AL581773 AL515777 BF520361 AA657809 AW152670 BE621523 AW078705 AW673719 AA102613 AA195604
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 BG001474 BE937718 BF79283 BI091621 BG421006 BG289256 BF736825 BI253429 BG170064 R72512 T92815 BF931257 BM455183 BG033362
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 W613455 AA122384 AA171923 T92736 AI761504 AI19039 AI439358 AL517777 AL559519 AA622001 AA642695 AA704144 AA081465 AI9720621
 AA375562 AA700011 AA926863 W37310 AL566236 BF677809 BG760021 AW351433 BE828605 BE288449 BF805977 BG29452 BF981071
 BF217108 BF928698 R33993 AW828241 AI857453 AW078733 AI433035 AI018103 R80927 AA804720 AA551734 R33835 H19741 R76754
 BF930494 BG109583 AA631926 BE834008 BG969533
 5 433470 6624_1 X75684 AL573167 AI445461 AI453743 AI983655 AI564644 AA977180 AI694111 AI591358 AW071625 AI678712 AI720939 AI927769 BE439796
 AI963432 AA292956 AW192533 AI856838 AI639606 AI424384 AI161312 AI911921 AI597801 BI494959 AI240988 AI492554 AW252737 BE044033
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 AA4043217 BE219784 AI799614 AA129575 AI617277 AI470033 BE648195 AW779725 AA903050 AA147228 AA404570 AI075878 W38181 AI972739
 AW673152 AA723200 C06123 BF057147 AA627686 AA157944 AI990245 AA652517 T32487 AI800106 AI333170 AI859160 W454410 AI990827
 AW725048 AA182604 AA768282 BI298935 AW085158 AW741421 AW103470 AW300456 AW191997 AI823466 AA962397 AA136658 AI251817
 AW339104 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
 AI245632 AI349390 AA148284 AI798502 AA487893 AI621320 AW194272 C06365 AA953838 BE858936 AI918523 AI872828 AI927217 AI453453
 AI189366 AW338878 AI261359 AI502559 AI277735 AI032569 AI972895 AI505853 Z22771 AI638269 AI693030 AA603586 BE773488 AW399301
 BE773489 BE773462 BE773495 AI650336 BE773499 AI745717 BE811475 BE811470 BE811464 BE811418 BE811415 BE811400 BE811398
 BE811388 BE811352 BE773501 BE773494 BE773486 BE773474 BE773475 BE773461 BE811350 BE811337 BF593847 BG055071
 AW875302 BF003068 AA17973 BE811348 AI582462 AI686242 BE73500 AI241643 AI658439 AI918453 AI742527 AI446740 AA035756 AA191414
 AW674145 CO5782 AI592846 AI757558 AI346202 AI423023 AA898682 R21752 BF002457 AA988297 AL574095 AL576200 AL571074 AL575745
 AL578810 BG498381 AI928364 BE879732 AA479834 AA478712 C17732 BM091253 BF843901 AW820230 C17476 BE327120 AA129574
 AA136645 BF843900 AW801593 AA502832 AA649494 AI588528 AL547960 BE06937 BE811360 BE773498 BE811401 BE773484 BE811437
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 BE773483 AI657995 W60075 BF941183 AI738494 BE811458 BE773481 AI262930 AA948565 BE706942 BE156360 T65026 AW242958 AW197954
 10 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
 AA136645 BF843900 AW801593 AA502832 AA649494 AI588528 AL547960 BE06937 BE811360 BE773498 BE811401 BE773484 BE811437
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 BE905927 BE811435 AA191387 AW772000 BE611452 BE614379 BF844522 BI044895 AI744233 AW984527 C17504 BF843883 A248307
 BE773483 AI657995 W60075 BF941183 AI738494 BE811458 BE773481 AI262930 AA948565 BE706942 BE156360 T65026 AW242958 AW197954
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 20 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
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 BE811380 BE811399 BF997171 BF757734 BE926037 AI377695 C081140 AW808968 BE811404 BE811472 AI65912 AI925607 AI871950 AI093510
 BE905927 BE811435 AA191387 AW772000 BE611452 BE614379 BF844522 BI044895 AI744233 AW984527 C17504 BF843883 A248307
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 25 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
 AA136645 BF843900 AW801593 AA502832 AA649494 AI588528 AL547960 BE06937 BE811360 BE773498 BE811401 BE773484 BE811437
 BE811380 BE811399 BF997171 BF757734 BE926037 AI377695 C081140 AW808968 BE811404 BE811472 AI65912 AI925607 AI871950 AI093510
 BE905927 BE811435 AA191387 AW772000 BE611452 BE614379 BF844522 BI044895 AI744233 AW984527 C17504 BF843883 A248307
 BE773483 AI657995 W60075 BF941183 AI738494 BE811458 BE773481 AI262930 AA948565 BE706942 BE156360 T65026 AW242958 AW197954
 30 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
 AA136645 BF843900 AW801593 AA502832 AA649494 AI588528 AL547960 BE06937 BE811360 BE773498 BE811401 BE773484 BE811437
 BE811380 BE811399 BF997171 BF757734 BE926037 AI377695 C081140 AW808968 BE811404 BE811472 AI65912 AI925607 AI871950 AI093510
 BE905927 BE811435 AA191387 AW772000 BE611452 BE614379 BF844522 BI044895 AI744233 AW984527 C17504 BF843883 A248307
 BE773483 AI657995 W60075 BF941183 AI738494 BE811458 BE773481 AI262930 AA948565 BE706942 BE156360 T65026 AW242958 AW197954
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 AA136645 BF843900 AW801593 AA502832 AA649494 AI588528 AL547960 BE06937 BE811360 BE773498 BE811401 BE773484 BE811437
 BE811380 BE811399 BF997171 BF757734 BE926037 AI377695 C081140 AW808968 BE811404 BE811472 AI65912 AI925607 AI871950 AI093510
 BE905927 BE811435 AA191387 AW772000 BE611452 BE614379 BF844522 BI044895 AI744233 AW984527 C17504 BF843883 A248307
 BE773483 AI657995 W60075 BF941183 AI738494 BE811458 BE773481 AI262930 AA948565 BE706942 BE156360 T65026 AW242958 AW197954
 40 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
 AA136645 BF843900 AW801593 AA502832 AA649494 AI588528 AL547960 BE06937 BE811360 BE773498 BE811401 BE773484 BE811437
 BE811380 BE811399 BF997171 BF757734 BE926037 AI377695 C081140 AW808968 BE811404 BE811472 AI65912 AI925607 AI871950 AI093510
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 45 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
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 BE811380 BE811399 BF997171 BF757734 BE926037 AI377695 C081140 AW808968 BE811404 BE811472 AI65912 AI925607 AI871950 AI093510
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 50 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
 AA136645 BF843900 AW801593 AA502832 AA649494 AI588528 AL547960 BE06937 BE811360 BE773498 BE811401 BE773484 BE811437
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 BE905927 BE811435 AA191387 AW772000 BE611452 BE614379 BF844522 BI044895 AI744233 AW984527 C17504 BF843883 A248307
 BE773483 AI657995 W60075 BF941183 AI738494 BE811458 BE773481 AI262930 AA948565 BE706942 BE156360 T65026 AW242958 AW197954
 55 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
 AA136645 BF843900 AW801593 AA502832 AA649494 AI588528 AL547960 BE06937 BE811360 BE773498 BE811401 BE773484 BE811437
 BE811380 BE811399 BF997171 BF757734 BE926037 AI377695 C081140 AW808968 BE811404 BE811472 AI65912 AI925607 AI871950 AI093510
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 60 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
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 BE773483 AI657995 W60075 BF941183 AI738494 BE811458 BE773481 AI262930 AA948565 BE706942 BE156360 T65026 AW242958 AW197954
 65 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
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 BE811380 BE811399 BF997171 BF757734 BE926037 AI377695 C081140 AW808968 BE811404 BE811472 AI65912 AI925607 AI871950 AI093510
 BE905927 BE811435 AA191387 AW772000 BE611452 BE614379 BF844522 BI044895 AI744233 AW984527 C17504 BF843883 A248307
 BE773483 AI657995 W60075 BF941183 AI738494 BE811458 BE773481 AI262930 AA948565 BE706942 BE156360 T65026 AW242958 AW197954
 75 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
 AA136645 BF843900 AW801593 AA502832 AA649494 AI588528 AL547960 BE06937 BE811360 BE773498 BE811401 BE773484 BE811437
 BE811380 BE811399 BF997171 BF757734 BE926037 AI377695 C081140 AW808968 BE811404 BE811472 AI65912 AI925607 AI871950 AI093510
 BE905927 BE811435 AA191387 AW772000 BE611452 BE614379 BF844522 BI044895 AI744233 AW984527 C17504 BF843883 A248307
 BE773483 AI657995 W60075 BF941183 AI738494 BE811458 BE773481 AI262930 AA948565 BE706942 BE156360 T65026 AW242958 AW197954
 80 433470 6624_1 AA724739 AA11100 AA191349 AA257735 AA037693 AI769516 AW772283 AA101531 AI692846 AI61065 HB0983 R79933 AI950693
 AA136645 BF843900 AW801593 AA502832 AA649494 AI588528 AL547960 BE06937 BE811360 BE773498 BE811401 BE773484 BE811437
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 BE905927 BE811435 AA191387 AW772000 BE611452 BE614379 BF844522 BI044895 AI744233 AW984527 C17504 BF843883 A248307
 BE773483 AI657995 W60075 BF941183 AI738494 BE811458 BE773481 AI262930 AA948565 BE706942 BE156360 T65026 AW242958 AW197954

410032	1490765_1	BE065985 BE066083 BE066008 BE066093 BE065944
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5		BI033486 BI157580 BG878488 BI011828 AI313235 BG831724 BF869862 BG998348 BI011834 BF888337 BF898627 BF092380 AW803215 F01241 BF805719 BG878487 AW98536 BF998866 BG998849 AA248724 BG829202 BG756456 BG032392 BI859287 BM016990 BG332359 BE0933685 BE166755 BM452445 AI937808 AW028128 N23684 AW006041 AI37621 F33111 BF344301 BG105450 BG877343 BF589547 BF154571 BM007368 BF569385 BE772007 BI199487 BF761700 BI261519 BF944452 BF898506 AI03B390 BM044934 AW381142 BG743518 BE769205 BE893973 BI015047 BF886479 BF761350 BE769769 BG766117 BF847365 BE397834 AW371121 BF089125 BE082996 BF183193 BG180964 BF089940 BI000274 BG255503 BG674499 BG774174 BI015084
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	417886	AA210987 D57294 AA214584 AA207006 D56572
15	452098	BG028348 BF772844 H83066 AW817969 H90985 BF755039 AI858183
	452203	BC014081 NM_000593 X576208 L21208 L21206 L21205 L21204 AL561404 AL545423 AL560492 AL556882 AL541576 AL550654 BI823519 BI770223 AL564969 BI489906 AI304693 AW295947 BM146642 X57521 BG820143 BE898390 F06770 F12630 BM423610 AL561518 BM009470 BG742981 AA279695 AA847441 AA313737 BF172639 BF897216 BF914190 BF903647 S870277 AI569634 AW073295 AI361433 AA554644 AA487429 BE868232 AA638610 AI539114 A719375 AI829129 BG057675 AI423422 AU158860 BE300655 AW170777 AA586956 AL71889 AL566650 AL576404 BI562800 BI256544 BF342301 BG875994 AA054458 AA53161 AI940434 BE165922 AL577038 AI479650 AW150377 AU154395 AW951271 AI032220 AI819778 AI346733 AW771150 AW512825 AI249904 AW279893 AI352549 AW512517 BG056280 AA521222 AU271141 AL561932 AL561575 BI9184 AW660190 AI56475 BI9184 AW660120 AW089888 AW079179 Z21518 AA678601 F04651 AT83961 T57198 A1433357 T761652 AL564969 AA365848 AL562619 BE874801 BF804669 AL574458 BM146502 AI266514 AI538823 AI475626 AA948210 AA884054 AA487637 AA031844 AA535221 AW794256 AW361447 BE788505 AI682892 AA830989 AA852356 AA653084 BMD09154 AA135727 H05927 H23433 R42244 N79997 AW666655 AW366801 AA678742 AL556474 AA135770 BE774050 BF914200 H85457 AA627746 BI560216 BI735386
20		AW7878432 AA830185 NG7023 R80000
	425505	AL036458 AA358606 AW962990
	400208	X78817 NM_001666 DS0921 AW002308 AW575456 BF607511 AW467767 AI910683 BF905778 BG251264 AL562106 AI890538 AW769258 AI590391 AI910355 AW083235 AI078474 AI925022 AW504628 AW129725 BE465589 AW02785 AW591760 AI968418 AW006268 AW593787
		BG236814 AW769983 AW407608 AW075982 AI248207 AI762509 AI812070 AI249937 AW083561 AW080597 BF653046 BG745812 BG979546 AW793245 BI014177 AL519126 BE675314 AW806520 BI870778 BF879549 BE714919 BF847786 BG684161 AW695278 BG491029 BE793244 BE830893 BE798121 R09703 BI013066
25	439098	AT758223 AW69334 BF940841 AW080348 AI270363 AI055892 BE464168 BF431797 BE350144 BF448739 AI693409 BF432999 D62848
	422667	AA398070 AI303375 AW11490
	407305	AA715338 AA715284 AA715344
30	443068	ATV52763 AI032142 N30308 N22181 H95390 AW675632
	433075	X98248 NM_002959 AU127082 AI143348 BE327147 AI168442 AA426361 BF056336 AA418378 AI470580 AI365213 BI032745 BI032986 AA969898 AW083235 AI078474 AI925022 AW504628 AW129725 BE465589 AW090980 AIU099803 AI296831 AA418275 BF687436 BF767448 AA232975 BI094085 BI859449 AL079551 BF77391 AW902319 BF787798 BG281450 AA418268 BG770672 BE890328 BI520437 BE387605 AW375004 BI020464 BI033747 BF800905 BF869732 N99710 BF905459 BE715637 BE748496 BF918537 BF751392 BF751390 BF369123 BG949840 AA984366 H65743 AW593418 AI990196 T92267 AA018359 H88111 BM050097 BF692315 AW805907 AI547305 AA631081 BF845219 BG949806 T92310 BI277220
	400252	U44839 NM_004851 BC000350 BI458316 AU117940 BG759024 BG749604 BE798505 BG831537 AI816335 AA326352 AL547005 AW157038 AI853331 AI816188 AU1507856 AL043549 AW162880 AU159233 AI143169 BF727648 AI784725 BE205603 AI369814 AI984369 AW157545 BE221486 H89016 AU159025 AI074456 AI94516 BE245980 AI704385 AA280682 AI479595 AI569766 BE571988 T05533 AA682249 BI677303
45		BE45335 AI359434 H92889 D52699 D53609 D54718 T06015 BE22174 AI947065 D53218 D53787 R69889 W868996 AI497670 R70771 BF309414 BE620147 BG910597 AW864968 BE836120 AL579715 H56512 D55956 BI044097 AL555239 BF220278 AA081991 AI819544 AW001573 AW131600 AI868764 D52367 W22034 BG818979 BG024581 BE702779 BI458863 BI910399 BG707755 BF348284 H10055 BI086315 BE620574 H41088 BG119517 W23267 W21941 A3228817
50	400209	X78817 NM_001666 D60921 AW002308 AW575456 BF507511 AW467767 AI910683 BF905778 BG251264 AL562106 AI890538 AW769258 AI590391 AI910355 AW083235 AI078474 AI925022 AW504628 AW129725 BE465589 AW02785 AW591760 AI968418 AW006268 AW593787 BG236814 AW769983 AW407608 AW075982 AI248207 AI762509 AI812070 AI249937 AW083561 AW080697 BF653046 BG745812 BG979546 AW793245 BI014177 AL519126 BE675314 AW806520 BI870778 BF879549 BE714919 BF847786 BG684161 AW695278 BG491029 BE793244 BE830893 BE798121 R09703 BI013066
55	444825	AT8831 C17899 D78863
	414991	1785136_1
	432236	1001131_1
	417527	2431831_1
	425645	12B3068_1
60	455608	1478902_1
	418612	12225_6
	407393	6807_1
	400178	840_4
		U44839 NM_004856 XG3105 BC016514 BE694436 AG65840 AW235355 BG427084 AA612862 AA448223 BM145813 BM194585 AI870824 BE973573 BM148408 AA448232 AA454176 AA740959 AA884391 AA808545 AW070789 BM144223 N75518 BE542983 BE241842 AI124022 AA781887 BF908518 BF907890 R11490 AL538642 BF109180 AA953881 AI783716 BE922908 AI621005 AW148784 AI680114 AW275000 AT755790 BF222659 AW157268 AI909460 AW300443 AA779660 AI620568 BI151024 BE604703 AW820832 BI628332 AI922851 AI606536 AI158376 AI168279 AA809916 AI469767 AA830828 AA830388 NM64324 AI49683 AA970275 BF473642 AI653388 ALJ165655 AIU158374 AA687972 BMS510 AI650450 AL549572 BF349260 BM463016 AW836798 AL120958 AW183691 AW385525 BE175733 BE175727 BE175723 BF032430 BI081782 BI135381 BE175731 BE175754 BE841747 BF798384 AIU126251 BF095248 BG223262 AW847833 AL538843 AW386516 AW391532 BE934857 BF925057 AW498446 R86246 AW179270 BE087782 BI832144
65		AW8956025 AW956024 BE550261 BF747649 BF802668 AA389961 AW747207 AW973072 BE467756 N51927 AA531539 AW241296 AI797097 BI492823 AW021898 F10837 BE175542 BE715487 AW087443 AA533638 R51354 AW131541 R51852 N53741 R39257 T77636 BF955795 BF331656 F18236 AW810749
70	410927	3618_2
		AK055378 BE996063 AI722839 BI032095 BF952019 BG547204 AI151418 W03542 W0401 AI346936 AA852855 W60310 N72601 BF963436 CQ4881 H90060 AA001203 AI863984 AI932812 AI49771 AI187944 AA501896 AA714924 H00689 AA918680 AA573996 AA521308 AW182868 BF998707 AA908959 AI628880 AW173363 AW655845 AA130178 AI81267 AI653653 AI828924 AA746655 AI951984 AI636625 AI093113 AI377976 AI624029 AI418242 R76291 W92652 AI207798 AW705224 AA742467 AA841808 W81229 AA130170 AA160170 H85007 W72474 W81163 H97873 AL047509 R765587 AA012071 H81599 AA021275 H85004 H85894 BG537537 BF930516 W76228 W46673 Z43839 R78710 C01747 H00789 BI036345 W92828 BE150445 AW380821 AW173095 H85630 H81598 H66032 R84855 R13223 AA774992
75	449343	14470_1
80	432639	1237687_1
	417479	2356588_1
	426477	1296538_1
	418342	295203_2
		AW97385 H60163 AA557608 AI057052 AI241633 T89416 AA379611 AA379464 AA379463 BG025680 AW890852 BE002723 BE763824

400275	18707_1	NM_006513 BC009390 X91257 BC000718 BM450041 BI771139 AV710955 AU120415 AU141179 AU121081 BE409287 AU141397 AU122238 BI256768 BE386217 AU143368 AU133780 AU139704 BG531086 BE268235 BE545230 AU143414 AV761720 AU129842 AU143343 BE270064 BG473378 BE298813 BI772360 BE617354 AU140124 BE277005 BG745716 BE814960 AW161287 AV762084 BG898985 AW574875 AA313975 AV749916 AA374328 BM011248 AU098465 AW238888 BG940091 BG284599 AW410037 AA378483 D49914 AL573323 AL549819 AL572282 AL572871 AL568117 AL571945 AL547790 AL581217 AL514659 AL573926 AL40816 AW410033 BI262249 BG284713 AI659394 AI033582 AW955846 AA652206 AI686014 AA654357 AU146982 AW273447 AW157715 AW574750 BG5833509 AW887824 AI818522 AA703370 BE542873 AA515504 AU154962 AA831254 AA828521 AI088602 AA854654 AA190869 BF062816 AA464944 BG281335 AI003584 BG402820 AA932098 W68695 AW182900 W37334 AI073664 C17924 C18528 AI293318 BF154399 BG319570 BF764242 BF764209 AI620320 T06029 BF447193 F29285 AL648949 BI333775 BE743602 BE5618230 BE268139 BF036434 BE562718 BG774381 AA659383 AA297649 AA010945 BG105512 BE269205 T32623 BG015679 AL518518 AL517118 AL538396 AI049861 AL581976 AV752041 W26566 BE161609 AI963018 BG057603 AI720256 AA844560 AA055570 BE619806 C1742B AI042174 N93945 N69743 BF795208 AW057940 BI091399 AW975179 AA909936 H28712 W65445 AL515439 W37117 H66514 T85737 W37369
5	414087	1632850_1
10	423387	2612_2
15	412283	1163164_1
20	409745	MH1944_5
25	413285	12794_9
30	417670	2139387_3
35	411331	1076355_1
40	418177	6503_2
45	439518	23842_1
50	400189	2140_1
55	428409	320121_1
60	459357	1086411_1
65	411226	1073516_1
70	416518	1875286_1
75	433090	7504_2
80	436206	31207_1
85	416508	1974161_1
90	408087	633568_1
95	433434	194662_1
100	437158	59575_1
105	411902	1141058_1
110	455840	1518844_1
115	430975	56593_2

TABLE 49C

Pkey: Unique number corresponding to an Eos probeset
 Ref: Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham I. et al." refers to the publication entitled "The DNA sequence of human chromosome 22." Dunham I. et al., Nature (1999) 402:489-495.

5 Strand: Indicates DNA strand from which exons were predicted.

Nt_position: Indicates nucleotide positions of predicted exons.

	Pkey	Ref	Strand	Nt_position
10	402260	3399665	Minus	113765-113910,115653-115765,116808-11694
	401027	7230983	Minus	70407-70554,71060-71160
	400991	8096825	Plus	159197-159320
	406137	9166422	Minus	30487-31058
	404083	9944029	Minus	16650-17082
	404440	7528051	Plus	80430-81581
15	400792	7382433	Plus	134339-134593
	404289	2769644	Plus	15049-15286,30267-30457
	401083	3242744	Plus	33192-33360
	402211	7689783	Minus	67414-68229
20	402705	8782736	Plus	89961-90114,90773-90895,91131-91251
	402233	7690102	Plus	90281-91477
	405370	2078469	Minus	38980-39111
	400846	9188605	Plus	39310-39474
	405484	5922025	Plus	199214-199579,199672-199920,200262-20049
25	401345	9926424	Plus	148042-148392
	400843	9188605	Plus	5863-5970,7653-7784,8892-9023,9673-9807,
	405364	9265114	Minus	50715-50833
	405490	7705240	Plus	20683-20850
	400755	8116083	Minus	120084-120899
30	404276	9985189	Plus	127624-127856
	402915	7406502	Minus	140-276
	405816	5649378	Minus	2782-3308
	400847	9188605	Plus	44643-44835
	402328	4484283	Minus	13758-13922,14558-14752
35	405369	2078469	Minus	34183-34357,35688-35751
	400845	9188605	Plus	34428-34612
	403716	7239669	Plus	86699-87122
	402447	9798640	Plus	47605-47729,51696-51821,52070-52257,5330
	404140	9843520	Plus	37761-38147
40	405516	9454624	Plus	112707-112876,113676-113854
	405110	80956888	Minus	118940-119100
	403608	8308266	Minus	121321-121476
	401241	4827300	Minus	30503-30844,31056-31248
	405102	8076881	Minus	120922-121286
45	404185	4572584	Minus	129171-129327
	405545	1054740	Plus	118677-118807,119091-119296,121626-12182
	405411	3451356	Minus	17603-17778,18021-18290
	405602	4753260	Plus	44647-44778
	403391	9438337	Plus	42410-42544,83317-83540,86840-86922,8797
50	403869	7280046	Minus	34379-34583
	404942	7382153	Plus	92095-92252
	403142	9444521	Plus	89286-90131
	400844	9188605	Plus	24746-24872,25035-25204
	402704	8782736	Plus	37368-37493
55	402833	8918545	Plus	26897-27778
	401851	7770425	Minus	146443-146684,147794-147971,148351-14848
	401242	4827300	Minus	32618-32863
	401943	4914307	Plus	65925-65371
	402807	6456148	Minus	101542-101680,103476-103656
60	402603	9909396	Minus	141633-141852
	405328	3253114	Plus	21399-21583
	402974	9563349	Plus	124035-124321
	400987	8086488	Minus	22052-22185
	403335	8568884	Plus	112307-112524,114074-114703
65	401113	9986541	Minus	19419-19959
	401185	9825304	Minus	177383-177691
	404537	8247909	Minus	188775-189673
	405266	4156171	Minus	63337-63652
	402615	9926801	Plus	131390-132157
70	400568	9884730	Plus	64466-64714
	403212	7630897	Minus	156037-158210
	403290	8083176	Plus	19288-20076
	401342	9808882	Plus	3095-3242
	400471	9931670	Minus	105629-105760
	405588	5002511	Plus	46180-46356
75	400639	7574902	Plus	8559-8721
	403743	7662003	Minus	136463-136646
	403912	7710730	Minus	72000-72290,72431-72700,72929-73199
	405099	8074292	Minus	114365-114514,126635-126831
	401445	8218584	Minus	93700-93686
80	405480	2766593	Plus	33325-33559
	402183	7668390	Minus	100518-104296
	400749	7331445	Minus	9162-9293
	406139	9166768	Minus	72397-72602

402129	7704953	Minus	168156-166365
400645	8117693	Minus	58471-58716
403201	9968297	Minus	109782-109934
403609	8308266	Minus	125974-126320
5	400719	8118911	Minus 44579-44656,45294-45487,46449-46641
	403088	8954241	Plus 169894-170193,170504-170806
	403328	8469086	Minus 120428-120703
	403305	8089945	Plus 114632-114805
10	401702	1871197	Minus 68182-68325
	400777	8131663	Plus 70745-71121
	404956	7387343	Plus 55883-56203
	401917	9502466	Plus 25054-26229
	401984	4454511	Plus 103625-104024
15	406303	8575868	Plus 173622-173786

20 Table 50A lists about 414 genes up-regulated in non-seminomatous mixed germ cell testicular cancer compared to normal adult tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" non-seminomatous mixed germ cell testicular cancer to "average" normal adult tissues was greater than or equal to 2. The "average" non-seminomatous mixed germ cell testicular cancer level was set to the 85th percentile amongst non-seminomatous mixed germ cell testicular cancers. The "average" normal adult tissue level was set to the 95th percentile amongst non-malignant tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst the non-malignant normal body tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

25 Table 51A lists about 518 genes up-regulated in seminomatous testicular cancer compared to normal adult tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" seminomatous testicular cancer to "average" normal adult tissues was greater than or equal to 2. The "average" seminomatous testicular cancer level was set to the 85th percentile amongst seminomatous testicular cancers. The "average" normal adult tissue level was set to the 95th percentile amongst non-malignant tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal body tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

30 Table 52A lists about 673 genes up-regulated in testicular cancer (non-seminomatous and seminomatous) compared to normal adult testicular tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" testicular cancer to "average" normal testicular adult tissues was greater than or equal to 6. The "average" testicular cancer level was set to the 76th percentile amongst testicular cancers. The "average" normal adult testicular tissue level was set to the 95th percentile amongst non-malignant testicular tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal body tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

35 Table 53A lists about 735 genes up-regulated in testicular cancer (non-seminomatous and seminomatous) compared to normal adult tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" testicular cancer to "average" normal adult tissues was greater than or equal to 3. The "average" testicular cancer level was set to the 95th percentile amongst testicular cancers. The "average" normal adult tissue level was set to the 95th percentile amongst non-malignant tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal body tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

40 Table 54A lists about 476 test-specific genes downregulated in testicular cancer (non-seminomatous and seminomatous). These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio (R1) of normal testis to normal adult tissues was greater than or equal to 3. R1 was calculated as the mean number of interquartile range values over the median normal adult body tissue expression among normal testicular samples. The ratio (R2) of "average" normal testis to "average" testicular cancer among these genes was greater than or equal to 2. The "average" normal testis level was set to the 50th percentile amongst normal testis. The "average" normal testicular cancer level was set to the 95th percentile amongst testicular cancer samples. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal body tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

45 Table 55A lists about 586 genes up-regulated in non-seminomatous mixed germ cell testicular cancer compared to normal adult testicular tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" non-seminomatous mixed germ cell testicular cancer to "average" normal adult testicular tissues was greater than or equal to 4. The "average" non-seminomatous mixed germ cell testicular cancer level was set to the 95th percentile amongst non-seminomatous mixed germ cell testicular cancers. The "average" normal adult testicular tissue level was set to the 95th percentile amongst non-malignant testicular tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal testicular tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

50 Table 56A lists about 812 genes up-regulated in seminomatous testicular cancer compared to normal adult testicular tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" seminomatous testicular cancer to "average" normal adult testicular tissues was greater than or equal to 4. The "average" seminomatous testicular cancer level was set to the 80th percentile amongst seminomatous testicular cancers. The "average" normal adult tissue level was set to the 95th percentile amongst non-malignant normal testicular tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal testicular tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

55 TABLE 50A:
Pkey: Unique Eos probeset identifier number
ExAccn: Exemplar Accession number, Genbank accession number
UnigeneID: Unigene number
Unigene Title: Unigene gene title
R1: Ratio of non-seminomatous mixed germ cell testicular cancer compared to normal adult tissues

	Pkey	ExAccn	UniGene	Unigene Title	R1
70	432666	AW204069		ESTs, Weakly similar to unnamed protein	74.60
	432730	AI066520	Hs.13135B	ESTs	50.55
	450581	AF081513	Hs.25195	TGF-beta 4	47.85
	418696	AW959433	Hs.326290	hypothetical protein FLJ12581	44.05
75	423458	AI204212		ESTs	36.60
	428664	AK001666	Hs.189095	similar to SALL1 (sal (Drosophila)-like)	30.80
	448981	AI968719	Hs.195387	ESTs	26.40
	407710	AW022727	Hs.23616	ESTs	24.00
80	429486	AF155827	Hs.203953	hypothetical protein FLJ10339	19.35
	451106	BE382701	Hs.25960	N-MYC oncogene	18.85
	417407	AA923278	Hs.290905	ESTs, Weakly similar to protease [H.sapi	18.40
	420759	T11832	Hs.127797	Homo sapiens cDNA FLJ11381 fis, clone HE	18.25

424578	AK001973	Hs.150890	hypothetical protein	17.86	
418756	AA252254	Hs.226949	ESTs	17.20	
404996			Target Exon	16.15	
5	447534	AW953935	Hs.288655	ESTs	15.80
	456847	AI360455	Hs.37776	ESTs	15.00
	446979	AI654443	Hs.197683	ESTs	14.80
	438915	AA280174	Hs.285581	Williams-Beuren syndrome chromosome region preferentially expressed antigen in melanoma	14.75
	452838	U65011	Hs.30743		14.70
10	449322	AI638816	Hs.196566	ESTs	14.35
	418007	M13509	Hs.83169	matrix metalloproteinase 1 (Intersitial MRS2 (S. cerevisiae)-like, magnesium homolog)	14.20
	448776	BE302464	Hs.30057	MRS2 (S. cerevisiae)-like, magnesium homolog	12.95
	433330	AW207084	Hs.132816	ESTs; homolog of PEM-3 (Ciona savignyi)	12.70
	410102	AW248508	Hs.279727	ESTs; homolog of PEM-3 (Ciona savignyi)	12.65
15	447188	H65423	Hs.17631	ESTs; homolog of PEM-3 (Ciona savignyi)	12.43
	406547		Target Exon		12.35
	434649	AA738254	Hs.165390	ESTs, Highly similar to A40350 transcript	12.10
	428227	AA321649	Hs.2248	small inducible cytokine subfamily B (Cytokine-like factor 1)	11.65
	408908	BE296227	Hs.250822	serine/threonine kinase 15	11.55
20	437099	N77793	Hs.48659	ESTs, Highly similar to S14458 laminin a 1	11.05
	430676	AF084866	gb:Hom sapiens envelope protein RIC-3 (U02330)	gb:Hom sapiens envelope protein RIC-3 (U02330)	10.08
	426866		Hs.172816	neuregulin 1	10.05
	446791	A1632278	Hs.195922	ESTs	10.05
	433159	AB035898	Hs.150897	kinase-like protein 2	9.85
25	428479	Y00272	Hs.334562	cell division cycle 2, G1 to S and G2 to M	8.95
	427521	AW973352	Hs.334562	ESTs	8.92
	452291	AF015592	Hs.28853	CDC7 (cell division cycle 7, S. cerevisiae)	8.90
	427466	AA974433	AA974433	fibroblast growth factor 4 (heparin secreted protein)	8.62
	425266	J0077	Hs.155421	alpha-fetoprotein	8.50
30	408465	AW196940	Hs.253277	ESTs	8.47
	444971	A1651116	Hs.148653	ESTs	8.35
	413318	AU076607	Hs.75285	Inter-alpha (globulin) inhibitor, H2 polypeptide	8.35
	425769	U72513	Hs.158486	Human RPL13-2 pseudogene mRNA, complete	8.00
	409731	AA125985	Hs.55145	thymosin, beta, identified in neuroblastoma	7.95
35	424905	NM_002497	Hs.153704	NIMA (never in mitosis gene a)-related kinase	7.75
	412265	AA101325	Hs.86154	ESTs; Highly similar to FLJ12457	7.65
	407340	AA810168	Hs.284289	vitiligo-associated protein VIT-1	7.50
	453884	AA355925	Hs.36232	KIAA0186 gene product	7.38
	422956	BE545072	Hs.122579	ECT2 protein (Epithelial cell transformation)	7.25
40	432239	X01334	Hs.2938	matrix metalloproteinase 13 (collagenase 3)	7.25
	440119	AA885455	Hs.125331	ESTs, Moderately similar to unknown [Hs.125331]	7.22
	431840	AA534908	Hs.2860	POU domain, class 5, transcription factor	7.13
	435918	AF263538	Hs.88232	growth differentiation factor 3	7.13
	412537	AL031778	Hs.120591	nuclear transcription factor Y, alpha	7.08
45	416658	U03272	Hs.79432	filibrin 2 (congenital contractual arachnodactyly)	7.05
	428916	AF003001	Hs.194562	telomeric repeat binding factor (NIMA-interacting protein kinase 1)	6.88
	424085	NM_002914	Hs.139226	replication factor C (activator 1) 2 (40S ribosomal protein S2)	6.75
	453392	U23752	Hs.32864	SRY (sex determining region Y)-box 11	6.75
	437052	AA861697	Hs.120591	ESTs	6.75
50	425427	A1652662	Hs.157205	branched chain aminotransferase 1, cytosolic	6.72
	443623	AK001575	Hs.9536	ESTs; Highly similar to FLJ10713	6.71
	457465	AW301344	Hs.122908	DNA replication factor	6.62
	442832	AW206560	Hs.253589	ESTs	6.54
	427711	M31859	Hs.180408	solute carrier family 25 (mitochondrial)	6.30
55	453913	AW004683	Hs.78934	mutS (E. coli) homolog 2 (colon cancer)	6.30
	448588	AI970276	Hs.156905	KIAA1676	6.12
	436608	AA628980	Hs.192371	down syndrome critical region protein DS	6.09
	415857	AA866115	Hs.127797	Homo sapiens cDNA FLJ11381 (clone HE)	5.95
	412642	BE244598	Hs.809	hepatocyte growth factor (hepatopoitin A)	5.85
	443068	A1188710	Hs.120591	ESTs	5.85
60	438450	A1050866	Hs.65853	nodal, mouse, homolog	5.81
	441287	AW293132	Hs.131373	ESTs	5.80
	425572	AB011076	Hs.158307	undifferentiated embryonic cell transcript	5.76
	416747	AW876523	Hs.15929	ESTs; Highly similar to FLJ12910	5.75
65	436902	AW247145	Hs.192729	ESTs	5.70
	441627	AA947552	Hs.58086	branched chain aminotransferase 1, cytosolic	5.60
	440304	BE159984	Hs.125395	ESTs	5.60
	432407	AA221038	Hs.13273	gb:zr03fl2r1 Stratagene NT2 neuronal probe	5.56
	438812	AW288067	Hs.251673	gb:U1-H-BW0-ajp-g-09-0-U1.1 NCI_CGAP_Su	5.55
70	423573	BE0303054	Hs.1695	matrix metalloproteinase 12 (macrophage)	5.51
	431354	BE046958	Hs.251673	DNA (cytosine-5-methyltransferase 3 beta)	5.51
	430044	AAA64510	Hs.152812	ESTs	5.47
	437026	A1571514	Hs.133022	ESTs	5.45
	435663	A1023707	Hs.134273	ESTs	5.40
75	427667	AK001279	Hs.180171	Homo sapiens cDNA FLJ10417 (clone NT)	5.40
	416111	AA033813	Hs.79018	chromatin assembly factor 1, subunit A (origin recognition complex, subunit 1)	5.21
	447254	NM_004153	Hs.17908	ESTs; Highly similar to A35661 DNA excision repair protein	5.15
	434551	BE387162	Hs.280858	ESTs; Highly similar to A35661 DNA excision repair protein	5.15
	430272	X04898	Hs.237658	apolipoprotein A-II	5.12
80	427961	AW293165	Hs.143134	ESTs	5.05
	424315	AW614850	Hs.193384	putative 28 kDa protein	5.05
	409798	AA248587	Hs.30237	ESTs; Weakly similar to ALUB_HUMAN III	5.00
	418477	AW022983		gb:df46h12.y1 Morton Fetal Cochlea Homo	5.00
	418378	AW9562081		gb:EST374154 MAGE resequences, MAGG Homo	4.95

5	430255	AK000703	Hs.323822	Homo sapiens mRNA for KIAA1551 protein, cholecystokinin B receptor	4.94
	443537	D13305	Hs.203	hypothetical protein DKFZp434A1315	4.92
	431494	AAS91355	Hs.298312	IGF-II mRNA-binding protein 3	4.90
	416661	AA634543	Hs.79440	hypothetical protein MGC13204	4.85
	423642	AW452650	Hs.157148	ESTs	4.80
	449592	AI655494	Hs.195718	gb:zn43e07.s1 Striagems HeLa cell s3 93	4.75
	407300	AA102616	Hs.120769	lymphocyte antigen 94 (mouse) homolog (a	4.73
	420333	AJ001383	Hs.97084	Human DNA sequence from clone RP11-145L2	4.68
10	446700	AW206257	Hs.155328	EGF-like-domain, multiple 6	4.61
	445537	AJ245671	Hs.12844	phosphoinositid 3-phosphate-binding prot	4.60
	448986	AW372914	Hs.86149	ESTs, Weekly similar to ALU1_HUMAN ALU S	4.50
	439570	T79295	Hs.269165	NALP2 protein; PYRIN-Containing APAF1-II	4.50
	440006	AK000517	Hs.6844	Target Exon	4.48
15	402145			hypothetical protein FLJ10512	4.48
	408750	BE294069	Hs.93581	ESTs	4.47
	453289	A188161	Hs.144627	ESTs	4.45
	430252	A1638774	Hs.105328	testes development-related NVD-SP20	4.40
	422689	AW856365		gb:RC3-CT0297-290100-013-d03 CT0297 Homo	4.32
20	426427	M86699	Hs.169840	TTK protein kinase	4.30
	420047	AJ478658	Hs.94631	brefeldin A-Inhibited guanine nucleotide	4.20
	430287	AW182459	Hs.125769	ESTs, Weekly similar to LEU5_HUMAN LEUKE	4.18
	419635	NM_005033	Hs.91728	polymyositis/dermatoechodermia autoantigen 1 (	4.15
	416209	AA236776	Hs.79078	MAD2 (mitotic arrest deficient, yeast, h	4.10
	438188	AA779975	Hs.128859	ESTs	4.10
25	435614	AW592804		ESTs	4.10
	442333	A1650877	Hs.129302	ESTs	4.05
	413627	BE182082	Hs.246973	Intron of Bicaudal D homolog 1	4.00
	446140	AJ650599	Hs.197913	ESTs, Weekly similar to SCP3 MOUSE SYNAP	4.00
30	448038	AW016073	Hs.232028	ESTs, Weekly similar to RO52_HUMAN 52 KD	4.00
	458814	AJ498957	Hs.170861	ESTs, Weekly similar to Z195_HUMAN ZINC	3.95
	419423	D26488	Hs.90315	KIAA0007 protein	3.95
	440527	AV657117	Hs.184164	ESTs, Moderately similar to S65657 alpha	3.95
	441553	AA281219	Hs.121296	ESTs	3.95
35	432415	T16971	Hs.209014	ESTs, Weekly similar to A43932 much: 2 p	3.91
	409757	NM_001898	Hs.123114	cystatin SN	3.89
	432281	AK001239	Hs.274283	hypothetical protein FLJ10377	3.88
	450351	BE547267	Hs.59781	hypothetical protein MGC13183	3.85
	403780			C4001759;gi|133250|sp|P19474|RO52_HUMAN	3.84
40	421917	AB028943	Hs.109445	KIAA1020 protein	3.84
	417153	X57010	Hs.81343	collagen, type II, alpha 1 [primary oste	3.84
	429120	AK001673	Hs.196530	hypothetical protein FLJ10811	3.82
	410193	AJ132592	Hs.59757	zinc finger protein 261	3.80
	453922	AF053306	Hs.36708	budding uninhibited by benzimidazoles 1	3.80
	415829	AW450198	Hs.163742	ESTs	3.78
45	440953	A1683036	Hs.124135	Homo sapiens cDNA FLJ13051 f1s, clone NT	3.77
	439780	AL109588		gb:Homo sapiens mRNA full length insert	3.70
	422938	NM_001809	Hs.1594	centromere protein A (17kD)	3.68
	415947	U04045	Hs.78834	mutS (E. coli) homolog 2 (colon cancer,	3.66
	423123	NM_012247	Hs.124027	SELENOPHOSPHATE SYNTHETASE; Human salen	3.65
50	420930	AL045633	Hs.44269	ESTs	3.65
	426572	A0837783	Hs.170623	hypothetical protein FLJ11183	3.65
	426496	D31765	Hs.170114	KIAA0061 protein	3.60
	452451	N78223	Hs.108106	transcription factor	3.60
55	418379	AA218940	Hs.137516	filopin-like 1	3.50
	442573	H93366	Hs.7567	branched chain amphotransferase 1, cytos	3.48
	428301	AW528686	Hs.98440	ESTs, Weekly similar to I38022 hypothet	3.45
	419384	AA4490856	Hs.39428	ESTs	3.44
	453932	AW006303	Hs.329296	ESTs, Weekly similar to (define not ava	3.43
60	446293	A1420213	Hs.149722	LIM domain transcription factor LIM-1 (h	3.41
	422094	AF129535	Hs.272027	F-box only protein 5	3.40
	418661	NM_001949	Hs.1189	E2F transcription factor 3	3.40
	423198	M81933	Hs.1634	cell division cycle 25A	3.39
	424153	AAAS1737	Hs.141496	MAGE-like 2	3.38
65	417705	AW134952	Hs.175220	hypothetical protein FLJ14541	3.37
	443715	A1593187	Hs.9700	cyclin E1	3.34
	420281	A1623893	Hs.323494	Predicted cation efflux pump	3.34
	449571	AW016812	Hs.200266	ESTs	3.34
	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	3.31
	452807	AA029933	Hs.162434	ESTs	3.31
70	422756	AA441787	Hs.119689	glycoprotein hormones, alpha polypeptide	3.30
	421660	AA781795	Hs.122587	ESTs	3.30
	418355	L42563	Hs.1165	ATPase, H ⁺ transporting, nongastric, sfp	3.28
	438494	AA908878	Hs.130183	ESTs	3.23
	424568	AF005418	Hs.150595	cytochrome P450, subfamily XXVIA, polype	3.22
75	433764	AW753676	Hs.39982	zinc finger protein RINZF (NM_023929)	3.20
	427642	R40761	Hs.9834	ESTs	3.20
	414747	U30672	Hs.77204	centromere protein F (350/400kD, mitosin	3.18
	403432			NM_001622;Homo sapiens alpha-2-HS-glycop	3.18
80	442618	R56222	Hs.28514	ESTs	3.17
	415799	AA653718	Hs.225841	DKFZP434D193 protein	3.17
	416000	R82342	Hs.79858	ESTs, Weekly similar to S65657 alpha-1C-	3.15
	450431	AW136797	Hs.266041	ESTs	3.13
	433800	A1034381	Hs.135150	lung type-I cell membrane-associated gly	3.12

430835	AI240006	Hs.192326	ESTs	3.12	
419741	NM_007019	Hs.93002	ubiquitin carrier protein E2-C	3.10	
417791	AW965339	Hs.111471	ESTs	3.10	
434609	R76593		gb:Y60c11.r1 Soares placenta Nb2HP Homo	3.05	
5	AK001514	Hs.236844	hypothetical protein FLJ10652	3.04	
430253			ESTs	3.01	
411975	A1916058	Hs.144583	ESTs	3.01	
430491	AL109791	Hs.241599	Homo sapiens mRNA full length insert cDN	3.00	
413943	AW294416	Hs.144687	Homo sapiens cDNA FLJ12981 f1s, clone NT	2.99	
440207	AI371978	Hs.128326	ESTs	2.98	
10	435726	BE535787	ESTs	2.97	
432840	AK001403	Hs.279521	hypothetical protein FLJ20530	2.97	
450149	AW969781	Hs.132863	Zic family member 2 (odd-paired Drosophi	2.95	
435373	AW665538	Hs.117689	ESTs	2.93	
15	452571	W31518	ESTs	2.93	
454679	AW813110	Hs.34665	gb:CM-5T0189-051099-021-105 ST0189 Homo	2.91	
414972	BE263782	Hs.77695	KIAA0008 gene product	2.90	
437496	AA452378	Hs.146668	Homo sapiens mRNA; cDNA DKFZp547J125 (fr	2.90	
420092	A4814043	Hs.88045	ESTs	2.89	
20	438378	AW970529	hypothetical protein FLJ21816	2.89	
434414	AI798376	Hs.88434	gb:U34b07.x1 NCI_CGAP_Ov23 Homo sapiens	2.87	
422746	NM_004484	Hs.119651	glycan 3	2.87	
446258	A283476	Hs.263478	ESTs	2.86	
444371	BE540274	Hs.239	forkhead box M1	2.86	
25	409517	X90780	tropomodulin, cardiac	2.85	
414034	U89277	Hs.305985	early development regulator 1 (homolog o	2.84	
443169	A1038687	Hs.133338	ESTs	2.84	
447519	U46258	Hs.339665	ESTs	2.84	
453785	A1368236	Hs.283732	ESTs, Moderately similar to ALU1_HUMAN A	2.84	
30	406687	M31126	matrix metalloproteinase 11 (stromelysin	2.83	
416201	AA467752	Hs.195161	ESTs	2.83	
412140	A2219691	Hs.73625	RAB6 interacting, kinesin-like (rabkines	2.83	
457191	A1376228		Friend leukemia virus integration 1	2.82	
410704	BE076754		gb:CM1-BT0601-180200-121-b10 BT0601 Homo	2.81	
35	413646	A155042	gb:PM0-H10349-101299-002-E04 HTU349 Homo	2.80	
421307	BE539976	Hs.103305	Homo sapiens mRNA; cDNA DKFZp434B0425 (f	2.75	
427719	A1393122	Hs.134726	ESTs	2.75	
451684	AF216751	Hs.26813	CDA14	2.75	
414590	NM_000508	Hs.78530	coagulation factor II (thrombin)	2.74	
442032	AW016786		ESTs	2.73	
40	437123	AL049285	Hs.302053	ESTs, Weakly similar to ALU8_HUMAN ALU S	2.72
446528	AU076640	Hs.15243	Homo sapiens mRNA; cDNA DKFZp554M193 (fr	2.72	
442007	AA301116	Hs.142838	nucleolar protein 1 (120kD)	2.71	
438180	AA808189	Hs.272151	nucleolar phosphoprotein Nopp34	2.70	
453900	AW003582	Hs.226414	ESTs	2.70	
45	423765	R23850	ESTs, Weakly similar to ALU8_HUMAN ALU S	2.69	
420949	AA934083	Hs.13836	Homo sapiens, clone IMAGE:3840937, mRNA,	2.69	
413813	M96955	Hs.75561	ESTs, Weakly similar to I38022 hypothesized	2.68	
433914	AF108138	Hs.112160	teratocarcinoma-derived growth factor 1	2.67	
445413	AA151342	Hs.12677	Homo sapiens DNA helicase homolog (PIF1)	2.66	
50	446769	N66037	CGI-147 protein	2.66	
411022	AW936378	Hs.38173	ESTs	2.66	
426600	A1633559	Hs.310359	gb:QV4-DT0021-301299-074-f05 DT0021 Homo	2.65	
447175	A1385208	Hs.293506	ESTs	2.65	
55	414151	AW976458	Hs.257245	ESTs	2.65
448877	A1583696	Hs.253313	ESTs	2.62	
60	427534	BE410293	He.179718	v-myc avian myeloblastosis viral oncogen	2.61
440591	AA431599	Hs.132799	hypothetical protein FLJ23451	2.61	
449665	A1855391	Hs.143375	Homo sapiens, clone IMAGE:3840937, mRNA,	2.61	
65	463775	NM_002916	Hs.35120	replication factor C (activator 1) 4 (37	2.60
428228	A1553633		ESTs	2.60	
410929	H47233	Hs.30643	ESTs	2.59	
427528	AU077143	Hs.179555	minichromosome maintenance deficient (S.	2.58	
446142	A1754693	Hs.145968	ESTs	2.56	
445093	A1207197		ESTs	2.56	
65	413686	A1469213	Hs.71404	ESTs	2.55
447733	AF157482	Hs.19400	MAD2 (mitotic arrest deficient, yeast, h	2.55	
420218	AW958037		ribosomal protein L4	2.55	
407275	A1364188		gb:QW34h07.x1 NCI_CGAP_U14 Homo sapiens	2.55	
70	414312	AA155594	Hs.191050	ESTs	2.55
421535	AB002359	Hs.105478	phosphoribosylformylglycinamide synthetase	2.55	
439979	AW600291	Hs.6823	hypothetical protein FLJ10430	2.52	
426075	AW513691	Hs.270149	ESTs, Weakly similar to 2109260A B cell	2.51	
435096	AA664977		gb:NU73b07.s1 NCI_CGAP_Ah1 Homo sapiens	2.50	
75	422468	AA355210	ESTs, Weakly similar to Jurkat T-cells V Homo sapien	2.50	
449576	AW014631	Hs.225068	ESTs	2.50	
415684	D59356		sorbitol dehydrogenase	2.50	
452226	AA024898	Hs.157103	ESTs	2.50	
421451	AA291377	Hs.50831	ESTs	2.50	
80	424308	AW975531	Hs.154443	minichromosome maintenance deficient (S.	2.50
416203	X54942	Hs.83758	CDC28 protein kinase 2	2.49	
453941	U39817	Hs.36820	Bloom syndrome	2.49	
413762	AW411479	Hs.848	FK506-binding protein 4 (59kD)	2.49	
449656	A1021987	Hs.59970	ESTs	2.49	

430521	NM_016383	Hs.242183	HOM-TES-85 tumor antigen	2.49
447444	AK000318	Hs.18616	hypothetical protein FLJ20311	2.48
414618	AI204600	Hs.96978	hypothetical protein MGC10764	2.48
445363	NM_005993	Hs.12570	tubulin-specific chaperone d	2.47
5	452404	AW450675	Hs.212709	ESTs
	444623	BE262989	Hs.12045	putative protein
	427675	AW138190	Hs.180248	zinc finger protein 124 (Hzf-16)
	444159	AF116845	Hs.10431	dead ringer (Drosophila)-like 2 (bright)
10	436211	AK001581	Hs.334828	hypothetical protein FLJ10719, KIAA1794
	416734	Hs12123	Hs.14825	ESTs, Weakly similar to KIAA1503 protein
	433183	AF231338	Hs.222024	transcription factor BMAL2
	447350	AI375572	Hs.191381	v-erb-a avian erythroblastic leukemia vi
	428728	NM_016625	Hs.191381	hypothetical protein
15	407325	AA291180	Hs.328476	ESTs, Weakly similar to alternatively sp
	410276	AI554545	Hs.15545	angiopeptin-2
	444670	Hs8373	Hs.332938	hypothetical protein MGC5370
	419029	AA233397	Hs.328290	hypothetical protein FLJ12581
	437908	A1082424	Hs.1082424	ESTs
20	414812	X72755	Hs.77367	monokine induced by gamma interferon
	425202	AW862282	Hs.152049	ESTs, Weakly similar to I38022 hypothesi
	425212	AW862253	Hs.171818	ESTs
	423787	AJ295745	Hs.236204	nuclear pore complex protein
	425601	AW629485	Hs.140720	GSK-3 binding protein FRAT2
	44976	AW380579	Hs.209657	ESTs
25	429467	NM_004479	Hs.203772	FSHD region gene 1
	453227	AW135662	Hs.243991	ESTs
	417833	AW003251	Hs.86264	hypothetical protein FLJ14549
	451999	AW176401	Hs.27424	DEAD/H (Asp-Glu-Ala-Asp-His) box polypep
30	407910	AA650274	Hs.41296	fibronectin leucine rich transmembrane p
	418866	T65754	Hs.58367	glycican 4
	410060	NM_001443	Hs.58367	carbamoyl-phosphate synthetase 2, aspart
	419138	AW294215	Hs.195631	Homo sapiens, Similar to RIKEN cDNA 2810
35	425159	NM_004341	Hs.154868	HSPC160 protein similar to ubiquitin-con
	434808	AF155108	Hs.256150	transcription factor AP-2 gamma (activat
	436481	AA379597	Hs.5199	junction (mouse) homolog
	410275	U85858	Hs.61796	ESTs, Weakly similar to I78885 serine/th
	407818	AL021938	Hs.40154	NM_021195: Homo sapiens claudin 6 (CLDN6
	417777	AI823763	Hs.7055	2.35
40	401704			2.35
	449670	F07693	Hs.85603	Homo sapiens mRNA; cDNA DKFZp434K2172 (f
	424020	NM_006413	Hs.139120	ribonuclease P (30kD)
	422809	AK001379	Hs.121028	hypothetical protein FLJ10549
	429271	AF039650	Hs.198515	dead ringer (Drosophila)-like 1
45	432865	AI753709	Hs.152484	ESTs, Weakly similar to I38022 hypothesi
	421379	Y15221	Hs.103982	small inducible cytokine subfamily B (C)
	410166	AK001376	Hs.59346	hypothetical protein FLJ10514
	448756	AW503807	Hs.21907	histone acetyltransferase
	403433			2.29
50	441031	AI110594	Hs.7645	NM_001622:Homo sapiens alpha-2-HS-glycop
	418594	AA013051	Hs.91417	fibronogen, B beta polypeptide
	407289	AA135159	Hs.203349	topoisomerase (DNA) II binding protein
	425910	AA830797	Hs.164760	Homo sapiens cDNA FLJ12149 fs, clone MA
	401220			2.26
55	453985	N44645	Hs.251865	CCAAT-box-binding transcription factor
	414890	BE281095	Hs.77573	branched chain aminotransferase 1, cytos
	409014	H83115	Hs.49780	ESTs
	418140	BE519336	Hs.83551	uridine phosphorylase
	424765	AA428211	Hs.1247	origin recognition complex, subunit 6 (y
60	419278	AU076799	Hs.73291	microtubule-associated protein 2
	412123	BE251328	Hs.35304	hypothetical protein FLJ14033 similar to
	438459	T49300	Hs.81831	apolipoprotein A-IV
	417273	AK002209	Hs.23960	hypothetical protein FLJ10881
	449722	BE280074	Hs.131973	ESTs
65	443184	AI638728	Hs.79284	masoderm specific transcript (mouse) hom
	416391	AI878927	Hs.79284	solute carrier family 2 (facilitated glu
	440983	M20681	Hs.7594	ESTs
	435045	BE297155	Hs.143698	CDC28 protein kinase 1
	414883	AA926960	Hs.191518	ESTs
70	448232	AI288274	Hs.345792	RAD54 (S.cerevisiae)-like
	410855	X97795	Hs.86718	TATA box binding protein (TBP)-associat
	448757	AI365784	Hs.46820	neuropeptide G protein-coupled receptor;
	450254	NM_004885	Hs.99231	ESTs
	418973	AA233058	Hs.191518	NM_007057*: Homo sapiens ZW10 interacto
75	413582	AW295647	Hs.71331	ESTs
	434334	AA912476	Hs.116750	hypothetical protein MGC5350
	443748	AW206447	Hs.116750	Homo sapiens cDNA FLJ13221 fs, clone NT
	415989	AI267700	Hs.16244	gb:UH-B1-afg-g-02-0-U1.a1 NCL_CGAP_Su
	400195			ESTs
80	428878	AA436884	Hs.48926	NM_007057*: Homo sapiens ZW10 interacto
	431805	NM_014053	Hs.270594	ESTs
	446839	BE091926	Hs.16244	FLVCR protein
	424381	AA285249	Hs.146329	mitotic spindle coiled-coil related prot
	417389	BE260964	Hs.82045	protein kinase Chk2(CHEK2)
				2.18

423905	AW579960	Hs.135150	lung type-I cell membrane-associated gly	2.18
413992	W26276	Hs.104657	RNA, U2 small nuclear	2.18
412722	AI343300	Hs.15091	ESTs	2.18
409089	NM_014781	Hs.50421	KIAA0203 gene product	2.17
5	430809	AI791150	ESTs, Moderately similar to I38022 hypot C1900072B:gi|12585552|sp|C09Y2Q1|2257_HU	2.17
	406542	M83554	Hs.1314	2.17
	420509	AW152226	tumor necrosis factor receptor superfamily	2.17
	425234	Hs.165909	ESTs, Weakly similar to I38022 hypot	2.17
10	425580	L11144	galanin	2.16
	439398	AA284267	ESTs	2.16
	452833	BE569681	Hs.30736	2.15
	421350	AW301608	ESTs, Moderately similar to I54374 gene	2.15
	444863	AW384082	serine (or cysteine) proteinase inhibitor	2.15
15	449410	AA001356	ESTs	2.15
	427717	R08362	ESTs, Weakly similar to T23976 hypothesis	2.15
	427953	AA417944	ESTs	2.15
	422281	M35803	Hs.346935	2.15
	433675	AW977653	hemopexin	2.14
20	444960	AI611317	ribonucleotide reductase M2 polypeptide	2.14
	415890	H08225	ESTs	2.14
	402099		ENSP0000217725: Laminin alpha-1 chain p	2.14
	427779	AA906897	Hs.180780	2.14
	453005	AW055303	TERA protein	2.14
	422170	AI791949	ESTs, Weakly similar to N-WASP [H.sapien	2.14
25	414161	AA136106	Hs.112432	2.14
	437623	D63860	anti-Müllerian hormone	2.14
	449810	AB008681	Hs.184852	2.14
	450663	H43540	chromosome condensation-related SMC-asso	2.13
30	419526	T79257	Hs.5719	2.11
	424727	AW590378	activin A receptor, type IIB	2.11
	418592	X89226	Hs.25292	2.11
	425292	NM_005824	ribonuclease HI, large subunit	2.11
35	430821	AA497284	Hs.23994	2.11
	418552	AF198254	afafaglycoprotein receptor 2	2.11
	408291	AB023191	Hs.152519	2.10
	425474	Z48054	Fanconi anemia, complementation group A	2.10
	453028	AB008532	Hs.155645	2.10
	447831	AI433293	37 kDa leucine-rich repeat (LRR) protein	2.10
40	437162	AW005505	Hs.154974	2.09
	429166	AB033096	Homo sapiens mRNA; cDNA DKFZp687N054 (fr	2.09
	432445	AA542845	Hs.86088	2.09
	417865	AW067903	Francois protein	2.09
	431093	AB031038	Hs.31442	2.09
45	408116	AA251393	ESTs	2.08
	449569	AI656634	Hs.5464	2.08
	429999	A1761902	thyroid hormone receptor coactivating pr	2.08
	420552	AK000492	Hs.197668	2.08
	423175	W27595	KIAA1270 protein	2.08
50	406137		Hs.284153	2.08
	418033	Z15005	peroxisome receptor 1	2.08
	450375	AA009647	Hs.158084	2.08
	409066	AA062980	RecQ protein-like 4	2.08
55	425700	AF076292	Hs.159251	2.07
	432359	AA076049	forkhead box H1	2.07
	409093	BE243834	Hs.274415	2.07
	418054	NM_002318	Homo sapiens cDNA FLJ10229 fis, clone HE	2.07
	408446	AW460669	Hs.83354	2.07
60	429840	AA459699	lysyl oxidase-like 2	2.07
	409717	AW452871	Hs.45068	2.07
	418113	A1272141	hypothetical protein DKFZp434I143	2.07
	448275	BE514434	Hs.334612	2.07
	432731	R31178	small nuclear ribonucleoprotein polypept	2.07
65	405157		ESTs	2.07
	425274	BE281191	Hs.56043	2.07
	429739	AA398185	CGI-115 protein	2.07
	421310	AW630087	Hs.83484	2.07
	457107	AA418246	SRY (sex determining region Y)-box 4	2.07
70	437257	AI283085	Hs.20830	2.07
	407259	L02258	kinesin-like 2	2.07
			Hs.287820	2.07
			fibronectin 1	2.07
			NM_003213: Homo sapiens TEA domain famili	2.02
			minichromosome maintenance deficient (ml	2.01
			ESTs	2.01
			trinucleotide repeat containing 1	2.00
			ESTs, Weakly similar to Z184_HUMAN ZINC	2.00
			gb:Human Fab fragment binding syncytial	2.00
				2.00

TABLE 50B:
Pkey: Unique Eos probeset identifier number
CAT number: Gene cluster number
Accession: Genbank accession numbers

Pkey CAT Number Accession

80 432666 144_7 AA558585 AA565499 AI360576 AW204069 AA981648 AA854939
423458 30480_1 BC018070 BG702493 AI204212 AA460929 AA993606 BF926635 AA226938 BG190705 BG186496 AW291865 BG183340 BG195301 BG214539
BG215094 BG198867 BG195332 BG208220 BG212418

430676	60836_2	BG433950 BE0615B3 T05808 BE144813 AWB12038 BE144812 AW812040 AW812041 AI124350 BE061602 BE061604 BE922595 BE061603 AI352469 BE061601 BI062752 AW818206 BF887722		
427521	513212_1	AW973352 BF222929 AW016853 BF059130 AI651829 BE551767 AA558414 AI339359 BF059601 AI951162 AI341422 AJ206248 AJ206165 AA548736 AA768578 AI539081 AW025957 AI736837 N79575 AW894357 AA404324 AW236441 AI650952 BF056795 AA974433		
5	427486	684159_1	BF510715 BE5673055 BE464111 AW590520 AI637939 AA404324 AW236441 AI650952 BF056795 AA974433	
	412537	14065_1	AIK025201 AA426472 AI694282 BG057305 AA097787 AI286170 AI684577 AJ420494 AI809865 BF058095 AI478773 AI160445 AL044114 AW665529 AI129239 AW297152 AI268215 AI469807 AI969353 BE552356 N66509 AA730741 AA382556 AW075811 AV759188 BI259384 BF445142 BG232065 AI141758 AI631202 AI187565 AI208445 AA889823 BF982682 N90322 BI090882 BF208005 AW953918 AL044113 AJ016783 AA382556 AW735763 AA927051 AI62075 BE885691 BE619282	
10	443068	18695_17	AV752783 AI032142 N3038 N22181 H55390 AW675632	
	436812	659779_1	AW978773 AW298067 AA810101 AW194180 AA731645 AI690673	
	418477	4172_1	BC022538 AI990847 BI478249 BG217996 BG212702 BE182057 AW589883 BF000085 AA993969 BG479023 BG220014 BG679466 BE907092 AI623855 AA223956 AA223917 AW022983 AW090580 AW573219 BF514491 BF445397 AA884705 AI910424	
15	418378	1227421_1	AA218925 AW962081 AA354237	
	422689	874209_1	AW954733 AA315006 AW856665	
	435514	132288_1	AA683356 AW592804 AI150287	
	439780	49082_1	AL105688 R23665 R26578	
	434609	14739_1	AF147390 R78593 R76594	
20	454679	174325_1	AW813110 BF771370 BF771371 AW813113 AW003381	
	434414	35978_1	AF134164 BF809407 AA21857 BF842863 AI267168 BF876178 BG999253 AW881851 AW858362 AI917548 BF771300 AA113928 AA223422 AA055556 BF773400 BF9998400 BE081333 BE073424 BE142245 H59571 H59570 BF871558 BF871064 BE001132 BF826831 AW754298 AA223267 BG997895 BG997897 AW991957 AA534354 BG319501 BF736309 AI684265 AA045564 BG950256 AI829309 BG987850 BE093175 BF854337	
25	409517	4537_1	NM_00363 X54163 M64247 AI265781 AI760600 AI367238 BE140258 AW207185 AI657074 C03333 AI193911 C05024 C03193 AI950215 C05070 C05613 W17389 C05351 AA311399 C04180 C04896 C05602 C05482 C04456 C04543 C04558 C04551 C03114 C03103 AI369979 AI652255 T12391 T12073 W19390 C02994 C02730 C04434 W07136 R57607 C03339 M31128	
	406687	0_0	AI216469 AI354789 AA446136 H24336 AA446443 AI376228 R48940	
	457191	1389182_1	AW877458 AW877524 BE076922 BE166912 AW840534 BE076754 AW797829 BE168905 BE166926 AW877462 BE166927 BE166932 AW877523	
30	410704	1054673_1	BE168917 AW877528 BE166928 BF351394 AW877522 AW877528 BE168861 BE166866 BE166913 BE166919 AW877456 AW877537 BE076866 AW840571	
	413645	1525666_1	BE155042 BE155040 BE154987 BE155012	
	442032	15407_1	BF223060 BF222818 AI950472 AW015786 AI207136 AI69730 BF222890 AI633857 AI958711 AA974235 AI352537	
	411022	1086666_1	AW936378 AW936544 AW815315	
35	428228	215430_1	BC676155 BM009591 AI479075 AI025794 AI017967 AA448270 BE466812 AA853422 AI392649 BG952034 AA513384 BF840124 BE714620 AW969605 AI536333	
	445093	175983_1	AI207197 BF773544 AW196462	
	420218	191547_1	AW958037 R42557 AI337047 AA948360 AI638005 AA459950 AI624915 AI638047 AI467856 AI521B26 AA880305 AI932315 AW003092 AW271756 AW793930 AW809308 AI609879 AI634791 AI493770 AI585211 Z41415 AI627952 AA303734 BE349457 AW196765 AA256827 BE089727	
40	435095	125215_1	AI207197 BF773544 AW196462	
	422468	216874_1	AW962701 AA310958 AW962699	
	415684	16895_18	BF668746 D59356 B/G678312 N56840 AA168861	
	447350	2267324_1	AI376572 AI480404 BF430912 T06082	
45	410276	641443_1	AA083514 AI564545 AW169852 AI363822 AI533825 AI656026 AI765624 AA147545 AA147552	
	437908	13268_11	AI740586 AA771806 BE500996 AW204531 AI082424 AI033879 BF093176 AA771764 D38676	
	418866	245947_1	T65754 AA229658 AA229857	
	424765	6857_1	AIK021881 AI145974 AI145787 C16964 AA428211 AU119698 AA993264 BF999192 AW903017 AA346559 AU119446 AW581679 AA991677 AW898165 AW366878 AW890957 Z18340	
50	414883	8371_2	AF274943 BG494694 AI719076 AA908783 AI935150 AI422691 AA810644 AA583187 BM272167 AI828996 AA527373 AW972469 AI831360 AI772418 AI033892 AA100928 AI154749 AI459432 AI423513 AI094597 AI740817 AI991988 AI90282 AI312104 BI255707 AA459522 AA416871 AI075239 AI339996 AA701623 AI139549 AI336880 AA633648 AI989380 AI362835 AA398239 AI146855 BF514270 N92892 AI342243 AI278887 AA459292 AI494230 BF507631 AI492600 AA962598 AW813002 AA293140 AA235549 BF10884 AA564344 N49682 AI457100 AW589407 AW300758 BE220715 BE220698 BE563091 BM009647 BF9030351 AI537692 AI203723 AI857576 AA584410 AW371867 BM172363	
55	443748	669881_1	BM467830 AI084433 AW206447 AI400976 AI248530 R16553	
	415989	10194_1	BC013389 BC017398 AI023543 AA191424 AI267700 AI469633 AW958465 AW953397 AA172056 BE940298 BF909208 BF909980 BF095153	
	400195	16894_2	BM477554 BM423967 BC020979 AF067656 NM_007057 BI869291 BG468283 BG760599 BI261768 AA855060 BE267094 BF214252 BE988249 BI259219 AW408765 BE089556 AL564377 BI258684 AW440401 AL578460 AL578434 AL565135 BG036804 AL531381 AW371787 BG610641	
60	450375	16559_3	BF120344 BF79288 BF729492 BG121657 BG502285 BG777493 AL664510 AW770358 AA573448 AA564001 AA969560 AW076946 AW750065 AL573880 AA143778 H99221 AA969210 AW103401 AW750073	
		BG570706 BG572749 AW806284 H04021 AA151166 AW854405 AA131254 BG065461 W46291 H01532 H04384 H03231 AAB52876 H04410 H59565 BE157601 AA113758		
65	TABLE 50C			
	Pkey:	Unique number corresponding to an Eos probeset		
	Ref:	Sequence source. The 7 digit numbers in this column are Genbank identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) <i>Nature</i> 402:489-495.		
70	Strand:	Indicates DNA strand from which exons were predicted.		
	NI_position:	Indicates nucleotide positions of predicted exons.		
	Pkey	Ref	Strand	NI_position
75	404996	6007890	Plus	37999-38145,38652-38998,39727-39872,4055
	406547	7711513	Minus	172780-174358
	402145	8018280	Plus	113066-114800
	403780	8076989	Plus	93160-93409
	403432	9719611	Minus	68204-68392
	401704	3097841	Plus	24712-25374
	403433	9719611	Minus	72225-72437
80	401220	9929324	Minus	48078-48279
	406542	7711499	Plus	117335-118473
	402099	8117697	Plus	121553-121742,123265-123423
	406137	9166422	Minus	30487-31058

405157 9966226 Plus 156363-156502,157573-157746

5

TABLE 51A:

Pkey: Unique Eos probeset identifier number
 ExAccn: Exemplar Accession number, Genbank accession number
 UnigeneID: Unigene number

10 Unigene Title: Unigene gene title
 R1: Ratio of seminomatous testicular cancer compared to normal adult tissues

	Pkey	ExAccn	UnigeneID	Unigene Title	R1
15	418696	AW959433	Hs.326290	hypothetical protein FLJ12581	56.62
	432688	AW204069		ESTs, Weakly similar to unnamed protein	49.00
	432730	AI068520	Hs.131358	ESTs	37.64
	426534	U58086	Hs.2051	testis specific protein, Y-linked	37.60
20	428864	AK001666	Hs.189095	similar to SALL1 (sal (<i>Drosophila</i>)-like	32.70
	420367	AA259090	Hs.257028	ESTs	29.98
	420347	AL033539	Hs.97124	Human DNA sequence from clone RP1-309H15	26.50
	437052	AAB61697	Hs.120591	ESTs	26.42
	407710	AW022727	Hs.23616	ESTs	23.85
	420528	AF130728	Hs.98586	doublesex and mab-3 related transcript	23.12
25	424578	AK001973	Hs.165090	hypothetical protein	22.27
	420759	T11832	Hs.127797	Homo sapiens cDNA FLJ11381 fs, clone HE	22.06
	417407	AA923278	Hs.297095	ESTs, Weakly similar to protease [H.sapi]	20.46
	429486	AF155827	Hs.203953	hypothetical protein FLJ10339	18.44
30	434649	AA738254	Hs.165390	ESTs, Highly similar to A40350 transcri	16.92
	430252	AI638774	Hs.105328	testes development-related NYD-SP20 ..	16.44
	423458	AI204212		ESTs	15.28
	438915	AA280174	Hs.285681	Williams-Bauren syndrome chromosome regi	15.26
	427711	M31659	Hs.180408	solute carrier family 25 (mitochondrial	14.84
35	427667	AK001279	Hs.180171	Homo sapiens cDNA FLJ10417 fs, clone NT	12.98
	426427	M88659	Hs.169840	TTK protein kinase	12.44
	420401	AK001907	Hs.97464	hypothetical protein	12.40
	406937	U14622		gb:Human transkelolase-like protein gene	11.60
	430521	NM_016383	Hs.242183	HOM-TES-85 tumor antigen	11.55
40	425769	U72513	Hs.159486	Human RPL13-2 pseudogene mRNA, complete	11.52
	418477	AW022983		gb:U146h12.y1 Morton Fetal Cochlea Homo	10.94
	434551	BE367162	Hs.280858	ESTs, Highly similar to A35651 DNA excls	10.78
	436812	AW298067		gb:U1-H-BW0-ajp-g-09-0-ULst1 NCL_CGAP_Su	10.54
	437789	AI51344	Hs.127812	ESTs, Weakly similar to T17330 hypothet	10.40
45	433800	A1034361	Hs.135150	lung type-I cell membrane-associated gly	10.32
	421241	X91817	Hs.102866	transketolase-like 1	10.14
	410102	AW248508	Hs.279727	ESTs; homologue of PEM-3 [<i>Gonia savignyi</i>	10.02
	416134	AA397769	Hs.86617	ESTs	9.76
	433169	AB035698	Hs.150587	hernesin-like protein 2	9.56
	433975	AA971953	Hs.122055	ESTs	9.36
50	422856	AE545072	Hs.122579	ECT2 protein (Epithelial cell transform	9.30
	410561	BE540255	Hs.6994	Homo sapiens cDNA: FLJ22044 fs, clone H	9.22
	431494	AA991355	Hs.298312	hypothetical protein DKFZp434A1315	9.16
	436889	AT764852		ESTs	8.75
55	426083	AW952712	Hs.126712	ESTs, Weakly similar to AF191020 1 E21G5	8.76
	424906	NM_002497	Hs.153704	NIMA (never in mitosis gene a)-related k	8.64
	408908	BE296227	Hs.250822	serine/threonine kinase 15	8.50
	413627	BE182082	Hs.246973	Intron of Bicaudal D homolog 1	8.42
	425572	AB011076	Hs.158307	undifferentiated embryonic cell transcr	8.30
60	415857	AA866115	Hs.127797	Homo sapiens cDNA FLJ11381 fs, clone HE	8.14
	408728	AI137379	Hs.47125	hypothetical protein FLJ13912	8.14
	406547			Target Exon	8.02
	424153	AA451737	Hs.141496	MAGE-like 2	7.90
	434699	AA643687	Hs.149425	Homo sapiens cDNA FLJ11980 fs, clone HE	7.84
65	437421	AA917062		ESTs	7.53
	409731	AA125985	Hs.56145	thymosin, beta, identified in neuroblast	7.60
	419423	D26488	Hs.90315	KIAA0007 protein	7.38
	428227	AA321649	Hs.2248	small inducible cytokine subfamily B (Cy	7.38
	431840	AA534908	Hs.2860	POU domain, class 5, transcription facto	7.32
70	430676	AF084866		gb:Homo sapiens envelope protein R/C-3 (	7.29
	436808	AA628980	Hs.192371	down syndrome critical region protein DS	7.25
	435206	AI432364	Hs.160594	ESTs	7.20
	414972	BE263782	Hs.77695	KIAA0008 gene product	7.12
	407340	AAB10168	Hs.284289	vitiligo-associated protein VIT-1	7.10
75	426518	Z43039	Hs.170198	KIAA0009 gene product	7.10
	436513	AJ27B110	Hs.125507	DEAD-box protein	7.04
	427521	AW973352		ESTs	6.95
	423673	BE003084	Hs.1695	matrix metalloproteinase 12 (macrophage	6.92
	422232	D43945	Hs.113274	transcription factor EC	6.90
	420047	AI478658	Hs.94631	brefeldin A-inhibited guanine nucleotide	6.83
80	431041	AA449067	Hs.197955	KIAA0704 protein	6.76
	427335	AA448542	Hs.251677	G antigen 7B	6.58
	422797	AB033064	Hs.236463	KIAA1238 protein	6.55
	418379	AA218940	Hs.137516	fidgerlin-like 1	6.46

5	423905	AW579950	Hs.135150	long type-I cell membrane-associated gly	6.45
	433764	AW753676	Hs.39982	zinc finger protein RINZ (NM_023929)	6.44
	422665	AJ011812	Hs.119018	transcription factor NRF	6.38
	433701	AW445023	Hs.15155	ESTs	6.34
	436909	AA907120	Hs.15155	ESTs	6.28
10	423728	AW891294	Hs.132136	solute carrier family 4, sodium bicarbon	6.27
	429228	AI553633	Hs.1553633	ESTs	6.26
	419384	AA490866	Hs.39429	ESTs	6.23
	435614	AW592804	Hs.39429	ESTs	6.08
	434334	AA912476	Hs.116750	Homo sapiens cDNA FLJ13221 fs, clone NT	5.90
	430835	A240005	Hs.192326	ESTs	5.89
	43B188	AA779975	Hs.128859	ESTs	5.88
	429120	AK001673	Hs.196530	hypothetical protein FLJ10811	5.80
	408750	NM_003686	Hs.47504	exonuclease 1	5.78
15	424088	NM_006413	Hs.139120	ribonuclease P (30kD)	5.70
	432359	AA076049	Hs.274415	Homo sapiens cDNA FLJ10229 fs, clone HE	5.67
	428153	AW573143	Hs.98367	SRY (sex determining region Y)-box 17 (S	5.64
	422889	AW856665	Hs.98367	gb:RC3-CT0297-290100-013-d03 CT0297 Homo	5.58
20	422830	AW628666	Hs.98440	ESTs, Weakly similar to I38022 hypothetical	5.58
	419556	U29615	Hs.91093	chitobiase 1 (chitobiosidase)	5.55
	438494	AA908678	Hs.130183	ESTs	5.52
	421974	AA301270	Hs.179312	gb:EST14192 Testis tumor Homo sapiens cD	5.52
	427510	Z47542	Hs.86154	small nuclear RNA activating complex, po	5.48
	412265	AA101325	Hs.86154	hypothetical protein FLJ12457	5.45
	413623	AA825721	Hs.246973	intron of Bicaudal D homolog 1	5.36
25	402145			Target Exon	5.30
	414136	AA812434		SMC2 (structural maintenance of chromoso	5.28
	428479	Y00272	Hs.334562	cell division cycle 2, G1 to S and G2 to	5.22
	428949	AA442153	Hs.104744	hypothetical protein DKFZp434J0617	5.16
30	408460	AA054726	Hs.285574	ESTs	5.14
	415947	U04045	Hs.78934	mutS (E. coli) homolog 2 (colon cancer,	5.12
	420900	AL045633	Hs.44269	ESTs	5.08
	426496	D31765	Hs.170114	KIAA0061 protein	5.01
	407122	H20276	Hs.31742	ESTs	5.00
35	422938	NM_001809	Hs.1594	centromere protein A (17kD)	4.95
	402199			Target Exon	4.90
	409103	AF251237	Hs.112208	XAGE-1 protein	4.90
	416859	H43437	Hs.80305	hypothetical protein MGC14258	4.84
	410166	AK0001376	Hs.59346	hypothetical protein FLJ10514	4.82
40	410929	H47233	Hs.30643	ESTs	4.73
	417866	AA214584		ESTs	4.73
	426223	AW977812	Hs.130391	ESTs	4.72
	409421	AA199883	Hs.67624	ESTs	4.72
	428249	AA130914	Hs.183291	zinc finger protein 268	4.71
45	429999	AI761902	Hs.99597	ESTs	4.68
	431721	AB032996	Hs.268044	KIAA1170 protein	4.68
	408321	AW405882	Hs.44205	cordylin	4.67
	419197	N46921	Hs.27441	KIAA1615 protein	4.66
	428329	AA426091	Hs.98463	ESTs, Moderately similar to R27328 2 [H.	4.64
50	418235	BE072334	Hs.27525	gb:PM4-BT0548-171299-001-h08 BT0548 Homo	4.64
	427119	AW880562	Hs.272525	ESTs	4.64
	414812	X72765	Hs.77367	monokine induced by gamma interferon	4.64
	414034	U89277	Hs.305985	early development regulator 1 (homolog o	4.64
55	409066	AA062880	Hs.66960	ESTs	4.62
	416201	AA467752	Hs.195161	ESTs	4.53
	433330	AW207084	Hs.132816	hypothetical protein MGC14801	4.52
	429528	BE501732	Hs.30822	Homo sapiens cDNA FLJ13010 fs, clone NT	4.50
	437099	N77793	Hs.48659	ESTs, Highly similar to S14458 laminin a	4.48
60	415799	AA653718	Hs.225841	DKFZP434D193 protein	4.46
	412530	AA766258	Hs.266273	hypothetical protein FLJ13346	4.34
	418221	Z45514	Hs.83775	DIGeorge syndrome gene D	4.32
	418971	AA380392	Hs.87113	ESTs	4.30
	416111	AA033813	Hs.79018	chromatin assembly factor 1, subunit A (	4.29
65	423175	W27595	Hs.347310	hypothetical protein FLJ14627	4.21
	415171	AA167270	Hs.130435	ESTs	4.18
	423198	M81933	Hs.1634	cell division cycle 25A	4.12
	433849	BE465884	Hs.280728	ESTs	4.12
	436211	AK001581	Hs.334828	hypothetical protein FLJ10719; KIAA1794	4.11
	432840	AK001403	Hs.279521	hypothetical protein FLJ20530	4.07
70	421307	BE539976	Hs.103305	Homo sapiens mRNA; cDNA DKFZp434B0425 (r	4.07
	414725	A4769791	Hs.44131	ring finger protein 21, interferon-repo	4.06
	408291	AB023191	Hs.127988	KIAA0974 protein	4.05
	408332	H91230	Hs.234794	Homo sapiens mRNA; cDNA DKFZp564B083 (r	4.04
	416773	AK000340	Hs.79828	hypothetical protein FLJ20333	4.04
75	427584	BE410293	Hs.179718	v-myc avian myeloblastosis viral oncogen	4.03
	421917	AB028943	Hs.109445	KIAA1020 protein	4.02
	430647	AC003682	Hs.127988	ESTs, Weakly similar to Z211_HUMAN ZINC	4.02
	430287	AW182459	Hs.125759	ESTs, Weakly similar to LEU5_HUMAN LEUKE	4.01
	436360	A1962795	Hs.156100	ESTs	4.00
80	438624	AAB88055	Hs.123468	ESTs	3.99
	434609	R/6593		gb:Y60c11.r1 Somes placenta Nb2HP Homo	3.92
	411945	AL033527	Hs.92137	L-myc-2 protein(MYCL2)	3.90
	408065	AW954272		gb:EST366342 MAGE resequences, MAGC Homo	3.90

413833	Z15005	Hs.75573	centromere protein E (312kD)	3.90	
421010	AW974553	Hs.267124	ESTs, Weakly similar to ALU6_HUMAN ALU S	3.88	
438456	AA913381	Hs.20594	ESTs	3.88	
424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	3.87	
5	AL_031778		nuclear transcription factor Y, alpha	3.86	
418661	NM_001949	Hs.1189	E2F transcription factor 3	3.85	
408750	BE294069	Hs.93581	hypothetical protein FLJ10512	3.83	
422094	AF129535	Hs.272027	F-box only protein 5	3.82	
10	419839	U24577	Hs.93304	phospholipase A2, group VII (platelet-activating factor acylhydrolase)	3.80
416350	AF188625	Hs.189507	phospholipase A2, group IID	3.78	
426054	U12431	Hs.166109	ELAV (embryonic lethal, abnormal vision, C14000397":gi|7495898|pir|T33295 hypothetical protein FLJ10688	3.76	
401435			ESTs, Moderately similar to neuronal fibrillary taurine protein	3.74	
424557	AA343057	Hs.164568	hypothetical protein FLJ10688	3.70	
422631	BE218919	Hs.118793	KIAA0203 gene product	3.70	
15	409089	NM_014781	Hs.50421	ESTs	3.67
428087	AW664891	Hs.97053	ESTs	3.67	
415684	D59356		sorbitol dehydrogenase	3.66	
429469	M64590	Hs.27	glycine dehydrogenase (decarboxylating)	3.62	
20	424590	AW966399	Hs.46821	hypothetical protein FLJ20086	3.62
427761	AA412205	Hs.140996	ESTs	3.61	
433641	AF080229		gb:Human endogenous retrovirus K clone 1	3.60	
418216	AA662240	Hs.283099	AF16q14 protein	3.59	
438180	AA008189	Hs.272151	ESTs	3.58	
424281	AA766243		gb:ca13b11.s1 NC_ CGAP_GCB1 Homo sapiens	3.55	
25	421379	Y15221	Hs.103982	small inducible cycloxygenase subfamily B (Cys-rich)	3.55
428878	AA436884	Hs.48926	ESTs	3.54	
438885	AI886558	Hs.184987	ESTs	3.53	
416445	AL043004	Hs.79337	KIAA0135 protein	3.52	
30	424381	AA285249	Hs.146329	protein kinase Chk2(CHEK2)	3.51
432415	T16971	Hs.289014	ESTs, Weakly similar to A43932 nucleolin 2 p	3.49	
427298	AA400495		ESTs	3.48	
420218	AW958037		ribosomal protein L4	3.40	
407300	AA102616	Hs.120769	gb:zn43a07.s1 Stratagene HeLa cell s3 93	3.40	
35	410420	AA224053	Hs.172405	ESTs, cell division cycle 27	3.40
432809	AA565509	Hs.131703	ESTs	3.36	
424085	NM_002914	Hs.139226	replication factor C (activator 1) 2 (40S)	3.34	
421373	AA808220	Hs.46677	ESTs	3.34	
423354	AB011130	Hs.127436	calcium channel, voltage-dependent, alpha 1D	3.31	
40	418830	BE513731	Hs.88959	hypothetical protein MGC4816	3.30
431077	A1659133	Hs.115660	hypothetical protein FLJ12810	3.30	
418049	AA211467		Homo sapiens, Similar to nuclear localiz	3.26	
420849	AA934063	Hs.13836	ESTs, Weakly similar to I38022 hypothetical	3.22	
432407	AA221036	Hs.13273	gb:z03f12.r1 Stratagene NT2 neuronal pr	3.21	
434288	AW189075	Hs.116265	fibrillin 3	3.20	
45	418295	AW970043	Hs.238039	hypothetical protein FLJ11090	3.19
429714	BE561801	Hs.2484	T-cell leukaemia/lymphoma 1A	3.17	
421350	AW301608	Hs.278188	ESTs, Moderately similar to I54374 gene	3.17	
420161	A1683059	Hs.120817	ESTs	3.17	
50	414518	A1204600	Hs.95698	hypothetical protein MGC10764	3.16
430253	AK001514	Hs.236844	hypothetical protein FLJ10652	3.14	
414747	U30872	Hs.77204	centromere protein F (350/400kD, mitosin)	3.14	
423419	R55336	Hs.23539	ESTs	3.13	
410275	U85658	Hs.61796	transcription factor AP-2 gamma (activator)	3.12	
55	408092	NM_007057	Hs.42950	ZW10 Interactor	3.12
423685	BE350494	Hs.49763	ubiquitin-specific peptidase with coiled-coil domain	3.12	
438378	AW970529	Hs.86434	hypothetical protein FLJ21816	3.12	
415912	H08859	Hs.208469	ESTs, Weakly similar to ALU6_HUMAN ALU S	3.12	
412140	AA219691	Hs.73625	RAB6 interacting, kinase-like (rabkins)	3.11	
60	420652	AK000492	Hs.98806	hypothetical protein	3.11
402408			NM_030920:Homo sapiens hypothetical protein	3.10	
432281	AK001239	Hs.274263	hypothetical protein FLJ10377	3.10	
415829	AW450198	Hs.163742	ESTs	3.09	
423739	AA398155	Hs.97800	ESTs	3.07	
65	418459	RB5436	Hs.268814	ESTs	3.07
421972	M18185	Hs.1454	gastric inhibitory polypeptide	3.07	
437257	AI283085	Hs.290931	ESTs, Weakly similar to YFJ7_YEAST HYPOT	3.06	
429830	AI537278	Hs.225841	DKFZP434D193 protein	3.08	
420524	AB010575	Hs.98547	amiloride-sensitive cation channel 3, transmembrane	3.06	
70	430323	AW864793	thrombospondin 1	3.04	
421633	AF121860	Hs.105260	sorting nexin 10	3.04	
420507	AF093408	Hs.98397	A kinase (PRKA) anchor protein 3	3.04	
432938	T27013	Hs.3132	steroidogenic acute regulatory protein	3.03	
414598	A1094221	Hs.135150	lung type-I cell membrane-associated glycoprotein	3.03	
75	419635	NM_005033	Hs.91728	polymyositis/scleroderma autoantigen 1	3.03
425312	AA354940	Hs.145958	ESTs	3.02	
425474	Z48054	Hs.158084	peroxisome receptor 1	3.01	
411027	AF072099	Hs.67846	leukocyte immunoglobulin-like receptor	3.01	
432446	AA542845	Hs.234088	GAJ protein	3.01	
80	424513	BE385864	Hs.149894	mitochondrial translational initiation factor	3.00
436902	AW247145	Hs.192729	ESTs	3.00	
422789	AK001113	Hs.120842	hypothetical protein FLJ10251	3.00	
430056	X97548	Hs.228059	KRAB-associated protein 1	2.98	
427617	D42053	Hs.199179	RAN binding protein 2	2.98	

406367		NM_022357:Homo sapiens putative metalloprotein	2.97
418866	T65754	gb:cyt1c07.s1 Stratagene lung (937210) H	2.97
435918	AF263538	Hs.86232 growth differentiation factor 3	2.97
436511	AA721252	Hs.291802 ESTs	2.96
5	402680	Target Exon	2.96
	414161	AA136106 Hs.184852 KIAA1553 protein	2.95
	427239	BE270447 ubiquitin carrier protein	2.95
	433683	AI817723 Hs.22678 hypothetical protein FLJ21832	2.94
10	417576	AA339449 Hs.82285 phosphoribosylglyciamide formyltransfer	2.94
	402299	Target Exon	2.92
	420897	AA827705 Hs.26605 ESTs	2.90
	427718	AI893122 Hs.134726 ESTs	2.90
	419131	AA406293 Hs.109526 ESTs	2.89
15	410048	WT6467 Hs.343874 proline oxidase homolog	2.89
	427314	AB033024 Hs.175475 KIAA1198 protein	2.89
	424315	AW614850 Hs.193384 putative 28 kDa protein	2.88
	430335	D80007 Hs.239499 KIAA0185 protein	2.87
	410361	BE391804 Hs.62651 guanylate binding protein 1, Interferon-	2.87
20	413686	AI469213 Hs.71404 ESTs	2.87
	429183	AB014604 Hs.197955 KIAA0704 protein	2.86
	430292	AK000634 Hs.238270 hypothetical protein FLJ20627	2.86
	422726	U11690 Hs.1572 faciogenital dysplasia (Aarskog-Scott syndrome)	2.86
	437834	AA769294 gbx236g03.s1 NCL_CGAP_GOB1 Homo sapiens	2.86
25	435159	AA668879 Hs.116849 ESTs	2.84
	428561	NM_015905 Hs.183858 transcriptional intermediary factor 1	2.84
	430388	AA356923 Hs.240770 nuclear cap binding protein subunit 2, 2	2.84
	434070	AF116852 Hs.270087 hypothetical protein PRO0813	2.83
	429323	NM_001649 Hs.2391 apical protein, <i>Xenopus laevis</i> -like	2.83
30	433247	AB040948 Hs.142856 KIAA1515 protein	2.82
	415884	H22966 Hs.13471 ESTs	2.82
	427668	A2298760 Hs.180191 hypothetical protein FLJ14904	2.82
	437162	AW005505 Hs.5464 thyroid hormone receptor coactivating protein	2.81
	401091	decay accelerating factor for complement	2.81
35	425601	AW629495 Hs.140720 GSK-3 binding protein FRAT2	2.79
	428597	AK000147 Hs.295909 hypothetical protein FLJ10700	2.79
	417705	AW134952 Hs.175220 hypothetical protein FLJ14541	2.79
	438243	A581311 Hs.83758 ESTs	2.78
	418203	X54942 Hs.83758 CDC28 protein kinase 2	2.78
40	410704	BE076754 Hs.322903 gbx:CM1-BT0601-180200-421-b10 BT0601 Homo sapiens cDNA: FLJ23269 is, clone C	2.77
	429063	AW363845 Hs.322903 ESTs, Weakly similar to A46010 X-linked	2.76
	427147	AA398587 Hs.97414 ESTs	2.76
	430552	AA176374 Hs.243886 nuclear autoantigenic sperm protein (hls)	2.76
	437660	W31708 Hs.55304 ESTs	2.74
45	425237	U07695 Hs.155227 EphB4	2.72
	419335	AW960148 Hs.284137 hypothetical protein FLJ12888	2.72
	426386	AA748850 Hs.125530 bladder cancer overexpressed protein	2.70
	423123	NM_012247 Hs.124027 SELENOPHOSPHATE SYNTHETASE ; Human selenophosphate synthetase	2.70
	430968	AW972830 Hs.124027 gb:EST384925 MAGE gene sequences, MAGL Homo sapiens cDNA directed, epsilon 2	2.70
50	420595	NM_002692 Hs.99185 polymerase (DNA directed), epsilon 2	2.68
	419741	NM_007019 Hs.93002 ubiquitin carrier protein E2-C	2.68
	401464	histone deacetylase 5	2.68
	411856	H67899 Hs.4190 Homo sapiens cDNA: FLJ23269 is, clone C	2.68
	411365	M76477 Hs.289082 GM2 ganglioside activator protein	2.68
55	419029	AA233397 Hs.326290 hypothetical protein FLJ12581	2.67
	421654	AW163267 Hs.106469 suppressor of var1 (<i>S.cerevisiae</i>) 3-like	2.66
	421535	AB002359 Hs.105478 phosphoribosylformylglyciamidine synthase	2.66
	423453	AW450737 Hs.128791 CCI-09 protein	2.66
	412673	AI042957 Hs.31845 ESTs	2.66
60	410006	AW732308 Hs.57783 eukaryotic translation initiation factor	2.65
	434159	AV135214 Hs.191828 ESTs	2.65
	427260	AA663848 Hs.270087 gbx:z70b06.s1 Stratagene schizo brain S1	2.64
	439053	BE244568 Hs.64566 chaperonin containing TCP1, subunit 2 β	2.64
	414706	AW340125 Hs.76989 KIAA0087 gene product	2.64
65	433979	AA620999 gb:ag03a08.s1 Soares,_testis_NHT Homo sapiens	2.64
	403969	H67899 Hs.99093 ENSP0000034663:Zinc finger protein 131	2.64
	420582	BE047878 Hs.99093 Homo sapiens chromosome 19, cosmid R2837	2.64
	418355	L42563 Hs.1165 ATPase, H ⁺ transporting, non-gastric, alp	2.63
	411127	AA666995 Hs.218329 hypothetical protein	2.62
70	437205	AL110223 Hs.279243 Homo sapiens mRNA; cDNA DKFZp584D2071 (fr)	2.62
	421223	BE251328 Hs.73291 hypothetical protein FLJ10881	2.61
	438481	AA379597 Hs.5199 HSPC150 protein similar to ubiquitin-conjugating enzyme E2B	2.60
	408446	AW450669 Hs.45068 hypothetical protein DKFZp434I143	2.59
	437033	AW248384 Hs.5409 RNA polymerase I subunit	2.58
75	418592	X98226 Hs.284153 Fanconi anemia, complementation group A	2.58
	415585	R59946 Hs.184852 KIAA1553 protein	2.57
	424800	AL035588 Hs.153203 MyoD family inhibitor	2.57
	428470	AA528794 Hs.128644 ESTs	2.57
	426919	AL041228 Hs.102576 ELAV (embryonic lethal, abnormal vision, retinoblastoma) protein-like 1 antisense	2.56
80	421209	AJ010230 Hs.102576 Homo sapiens mRNA; cDNA DKFZp547J125 (fr)	2.56
	437486	AAA52378 Hs.146668 Homo sapiens mRNA; cDNA DKFZp547J125 (fr)	2.56
	401837	NM_025109:Homo sapiens hypothetical protein	2.56
	428743	AL080060 Hs.301549 Homo sapiens mRNA; cDNA DKFZp564H172 (fr)	2.56
	422809	AK001379 Hs.121028 hypothetical protein FLJ10549	2.55

418648	AW979223	Hs.292478	ESTs	2.55	
423020	AA363092	Hs.1608	replication protein A3 (14kD)	2.54	
430345	AK000282	Hs.239581	hypothetical protein FLJ20275	2.54	
424075	AI807320	Hs.227630	RE1-silencing transcription factor	2.54	
5	428728	NM_016625	Hs.191381	hypothetical protein	2.53
	423755	AB037735	Hs.132560	hypothetical protein FLJ10312	2.52
	424051	AI110203	Hs.138411	Homo sapiens mRNA; cDNA DKFZp586J1922 (f)	2.52
	416734	HB1213	Hs.14825	ESTs, Weakly similar to KIAA1503 protein	2.52
10	422406	AF025441	Hs.116206	Opa-interacting protein 5	2.52
	433228	F28212	Hs.14953	KIAA1491 protein	2.51
	411943	BE502436	Hs.7962	ESTs, Weakly similar to S44608 C02F5.6 p	2.51
	426181	AA371422	Hs.334371	hypothetical protein MGC13096	2.50
	423642	AW452650	Hs.157148	hypothetical protein MGC13204	2.50
15	411571	AA122393	Hs.70811	hypothetical protein FLJ20516	2.48
	419760	AL079741	Hs.183114	Homo sapiens cDNA FLJ14236 fts, clone NT	2.48
	408209	NM_004454	Hs.43697	els variant gene 5 (els-related molecule	2.47
	435726	BE535787	Hs.113170	ESTs	2.47
	404068			Target Exon	2.46
	403137			NM_005381*:Homo sapiens nucleolin (NCL),	2.46
20	434276	AF123659	Hs.93605	leucine zipper, putative tumor suppressor	2.46
	422283	AW411307	Hs.114311	CDC45 (cell division cycle 45, <i>S.cerevisiae</i>	2.46
	429652	AA765810	Hs.259290	ESTs	2.45
	416204	AW972270	Hs.195161	ESTs	2.45
25	414713	BE465243	Hs.12664	ESTs	2.44
	426910	AA830797	Hs.184760	CCAAT-box-binding transcription factor	2.44
	408875	NM_015434	Hs.48604	DKFZP434B168 protein	2.44
	435244	N77221	Hs.187824	ESTs	2.44
	402679			NM_000478:Homo sapiens alkaline phosphatase	2.43
30	413943	AW294416	Hs.144687	Homo sapiens cDNA FLJ12881 fts, clone NT	2.42
	433914	AF108138	Hs.112160	Homo sapiens DNA helicase homolog (Pif1)	2.41
	437812	AI582291	Hs.16846	ESTs, Weakly similar to O4HUD1 debrisoqu	2.41
	410855	X37795	Hs.65718	RAD54 (<i>S.cerevisiae</i>)-like	2.41
	423232	BE244625	Hs.125742	leucine-rich neuronal protein	2.40
35	427578	AA51305	Hs.169084	ESTs, Highly similar to TUL3_HUMAN TUBBY	2.40
	409934	R91601	Hs.190466	hypothetical protein FLJ22584	2.39
	423787	AJ295745	Hs.236204	nuclear pore complex protein	2.39
	420892	AW975076	Hs.172589	nuclear phosphoprotein similar to <i>S.cer</i>	2.39
	438869	AF076009		gb:Homo sapiens full length Insert cDNA	2.38
40	434981	AW182577	Hs.283077	ESTs	2.38
	417911	AA333387	Hs.82916	chaperonin containing TCP1, subunit 6A (	2.38
	409210	AA251B12	Hs.51120	cathelin-like antimicrobial peptide	2.37
	424425	AB031480	Hs.146824	SPR1 protein	2.37
	411885	AA452636	Hs.131057	ESTs, Moderately similar to CRGD_HUMAN G	2.37
45	421567	AJ272137	Hs.198265	matrix metalloproteinase 25	2.37
	425159	NM_004341	Hs.154868	carbamoyl-phosphate synthetase 2, aspart	2.37
	418678	NM_001327	Hs.167379	cancer/testis antigen (NY-ESO-1)	2.36
	431197	AL038595	Hs.250745	polymerase (RNA) III (DNA directed) (62k	2.36
	416130	U42349	Hs.71119	Putative prostate cancer tumor suppressor	2.35
50	410868	AA199907	Hs.67397	homeo box A1	2.36
	421305	BE397354	Hs.324830	diphtheria toxin resistance protein requi	2.36
	417153	X67010	Hs.81343	collagen, type II, alpha 1 (primary oste	2.36
	412389	AW947655		gb:RCO-MT0003-140300-031-b07 MT0003 Homo	2.35
	419359	AL043202	Hs.90073	chromosome segregation 1 (yeast homolog)	2.35
55	437681	AI207958	Hs.166556	gb:001759:gi|133250|sp|P19474|RC052_HUMAN	2.34
	400205			Homo sapiens, Similar to TEA domain fami	2.34
	433160	AW207002	Hs.134342	NM_006265*:Homo sapiens RAD21 (<i>S.pombe</i>)	2.34
	432606	NM_002104	Hs.3066	TASP for testis-specific adriamycin sens	2.34
60	425331	AW962128	Hs.31476	granzyme K (serine protease, granzyme 3;	2.34
	430606	BE266026	Hs.154443	gb:EST374201 MAGE resequences, MAGG Homo	2.33
	424308	AW975531	Hs.183161	Homo sapiens cDNA FLJ13872 fts, clone TH	2.33
	418821	AA436002		minichromosome maintenance deficient (<i>S.</i>	2.32
	437437	AAZ26869		ESTs	2.32
65	413437	BE313164	Hs.75361	hypothetical protein DKFZp762L0311	2.32
	426548	BE242709	Hs.159837	gene from NF2/medulloblastoma region of 22q12	2.31
	435532	AW291488	Hs.117305	valyl-tRNA synthetase 2	2.30
	430183	BE010038		Homo sapiens, clone IMAGE:3682908, mRNA	2.30
	409342	AU077058	Hs.54089	gb:PM3-BN0176-100400-001-g04 BN0176 Homo	2.30
70	430504	H52761		BRCA1 associated RING domain 1	2.29
	427726	AI359144	Hs.143688	Homo sapiens, clone MGC:12617, mRNA, com	2.29
	417115	AW952792	Hs.334812	Homo sapiens cDNA: FLJ23031 fts, clone L	2.29
	412721	AW183165	Hs.95600	small nuclear ribonucleoprotein polypept	2.28
	404071			ESTs	2.28
	413762	AW411479	Hs.848	C12000514*:gi|7302471|gb|AAF57556.1| (AE	2.27
75	425811	AI039104	Hs.159557	FK506-binding protein 4 (59kD)	2.26
	424935	AI855010	Hs.120363	karyopherin alpha 2 (RAG cohort 1, impor	2.26
	415791	H09366	Hs.78853	hypothetical protein MGC15634	2.26
	431667	AA812573	Hs.246787	uracil-DNA glycosylase	2.26
	424169	AA336399	Hs.153797	ESTs	2.25
80	436540	BE397032	Hs.14468	Hs.153797 ESTs	2.25
	418113	AJ272141	Hs.83484	hypothetical protein MGC14226	2.24
	403242			SRY (sex determining region Y)-box 4	2.24
	414732	AW410976	Hs.77152	Target Exon	2.24
				minichromosome maintenance deficient (<i>S.</i>	2.24

	421002	AF116030	Hs.100932	transcription factor 17	2.24
	438833	BE512940	Hs.88252	ESTs	2.24
	420333	AJ001383	Hs.97084	lymphocyte antigen 94 (mouse) homolog (a	2.23
	433844	AA610175	Hs.179647	Homo sapiens cDNA FLJ12195 fis, clone MA	2.23
5	427528	AU077143	Hs.179555	minichromosome maintenance deficient (S.	2.23
	430289	AK001952	Hs.238039	hypothetical protein FLJ11090	2.23
	421016	AA504583	Hs.101047	transcription factor 3 (E2A immunoglobul	2.23
	436251	BE515065	Hs.296585	nucleolar protein (KE/KD repeat)	2.23
10	418826	AK000375	Hs.88820	HDCMC28P protein	2.23
	428612	AA770001	ESTs	ESTs	2.22
	433220	AI076192	Hs.131933	ESTs	2.22
	422225	BE245652	Hs.118281	zinc finger protein 266	2.22
	437549	AA759149	Hs.128757	gb:ah70e03s1 Soares_testis_NHT Homo sap	2.22
15	409299	AA045650	Hs.53125	small nuclear ribonucleoprotein D2 polyp	2.22
	408665	TBB845	Hs.112200	ESTs, Weakly similar to ALU7_HUMAN ALU S	2.22
	408118	AA251393	Hs.289052	Homo sapiens, Similar to RIKEN cDNA 5430	2.21
	420062	AW411095	Hs.94785	TGF(beta)-induced transcription factor 2	2.21
	432820	A1554057	Hs.152477	ESTs	2.21
20	430255	AK000703	Hs.323822	Homo sapiens mRNA for KIAA1551 protein,	2.21
	420337	AW295840	Hs.14555	Homo sapiens cDNA: FLJ21513 fis, clone C	2.20
	407275	A1364186	Hs.62930	gb:qcw34h07x1 NCL_CGAP_U14 Homo sapiens	2.20
	416209	AA236776	Hs.79078	MA2D2 (mitotic arrest deficient, yeast, h	2.20
	423675	A1990509	Hs.131342	small inducible cytokine subfamily A (C)	2.20
	433688	H24201	Hs.247423	aducin 2 (beta)	2.19
25	409101	NM_004297	Hs.50812	guanine nucleotide binding protein (G pr	2.19
	435541	AA687361	Hs.221318	ESTs	2.19
	412019	AA485890	Hs.69330	Homo sapiens cDNA FLJ13835 fis, clone TH	2.19
	418753	BE217818	Hs.87016	hypothetical protein FLJ22938	2.19
30	435461	AJ075846	Hs.133995	ESTs	2.19
	402260			NM_001436:Homo sapiens fibrillarin (FBL	2.18
	421098	AI697901	Hs.192425	ESTs	2.18
	400587			C10000549*:gi|7296574|gb|AAF51857.1| (AE	2.18
	407832	AW976516	Hs.283707	Homo sapiens cDNA: FLJ21354 fis, clone C	2.18
35	427159	U80735	Hs.173854	PAX transcription activation domain Inte	2.17
	405770			NM_002362:Homo sapiens melanoma antigen,	2.17
	412722	AI343300	Hs.15091	ESTs	2.16
	414334	AA824298	Hs.21331	hypothetical protein FLJ10036	2.16
	438192	AA859065	Hs.293807	Homo sapiens AFG3L1 Isoform 1 mRNA, part	2.16
40	417420	T85150	Hs.268814	ESTs	2.16
	421308	AA667322	Hs.192843	leucine zipper protein FKSG14	2.16
	412851	A1826502	Hs.97269	ESTs	2.16
	414702	L22005	Hs.76932	cell division cycle 34	2.16
	405670	A1368109	Hs.268814	KIAA1856 protein	2.16
	419926	AW500992	Hs.93795	DKFZP586D2223 protein	2.15
45	417863	AB000450	Hs.82771	vaccinia related kinase 2	2.15
	434750	BE019254	Hs.4112	t-complex 1	2.15
	410252	AW821182	Hs.61418	microtubule-associated protein 1	2.15
	418574	N28754	Hs.61628	M-phase phosphoprotein 9	2.15
	409019	AW386412	Hs.61628	myosin regulatory light chain 2, smooth	2.15
50	416608	R11498	Hs.189716	ESTs	2.14
	436027	AI864053	Hs.39972	ESTs, Weakly similar to I38588 reverse t	2.14
	408161	AW952912	Hs.300383	hypothetical protein MGC3032	2.13
	422805	AA436989	Hs.121017	H2A histone family, member A	2.13
55	410284	US0893	Hs.61628	amyloid beta precursor protein-binding p	2.13
	434274	AA628539	Hs.116252	ESTs, Moderately similar to ALU1_HUMAN A	2.12
	430935	AW72916	Hs.151343	zinc finger protein 131 (clone pH-Z-10)	2.12
	433252	AB040957	Hs.151343	KIAA1524 protein	2.12
	416819	U77735	Hs.80205	plm-2 oncogene	2.12
60	437218	AI117497	Hs.58185	ESTs, Weakly similar to T42727 prolifera	2.12
	407239	AA076350	Hs.67846	leukocyte immunoglobulin-like receptor,	2.12
	433947	AA927996	Hs.112876	ESTs, Weakly similar to AF128535.1 F-box	2.11
	424727	AW690378	Hs.152519	hypothetical protein FLJ20574	2.11
	435703	AW630133	Hs.83313	GIK003 protein	2.11
65	420297	AI628272	Hs.88323	ESTs, Weakly similar to ALU1_HUMAN ALU S	2.11
	422192	AA305159	Hs.113019	fis485	2.11
	407961	AW672939	Hs.41694	origin recognition complex, subunit 2 (y	2.10
	410193	A1132592	Hs.59757	zinc finger protein 281	2.10
	414151	AW976468	Hs.257245	ESTs	2.10
70	434789	AW292515	Hs.194317	ESTs, Weakly similar to T08680 hypotheti	2.10
	424196	AI133660	Hs.142926	Homo sapiens beta cysteine string prot	2.10
	408831	AF090114	Hs.48433	endocrine regulator	2.10
	414733	BE514536	Hs.77171	minichromosome maintenance deficient (S.	2.09
	434523	AA703709	Hs.23410	translocase of inner mitochondrial membr	2.09
	409537	AA323948	Hs.55407	Homo sapiens mRNA; cDNA DKFZp434K0621 (f	2.09
75	403532			NM_024638:Homo sapiens hypothetical prot	2.09
	432141	BE410964	Hs.272736	nuclear receptor binding protein	2.08
	409014	H83115	Hs.49760	origin recognition complex, subunit 6 (y	2.08
	410575	BE207480	Hs.6994	Homo sapiens cDNA: FLJ22044 fis, clone H	2.08
	415071	AK002197	Hs.284270	Homo sapiens cDNA FLJ11335 fis, clone PL	2.08
80	418755	Y14443	Hs.88219	zinc finger protein 200	2.08
	406137			NM_000179:Homo sapiens mutS (E. coli) h	2.07
	409893	AW247090	Hs.57101	minichromosome maintenance deficient (S.	2.07
	421413	AI826128	Hs.55209	ESTs, Weakly similar to A49364.59 prot	2.07

434283	AW235341	Hs.58715	thiamine pyrophosphokinase	2.07	
417230	U40998	Hs.81728	unc119 (C.elegans) homolog	2.07	
425956	NM_001761	Hs.1973	cyclin F	2.07	
431393	AW971493	Hs.134269	ESTs, Highly similar to cytokine receptor	2.06	
5	407162	NG3855	Hs.142634	zinc finger protein	2.06
	422382	D79988	Hs.115778	KIAA0166 gene product	2.06
	402677			NM_000478:Homo sapiens alkaline phosphat	2.06
	433017	Y15067	Hs.279914	zinc finger protein 232	2.05
10	424677	U09414		zinc finger protein 137 (clone pHZ-30)	2.05
	418883	BE387036	Hs.1211	acid phosphatase 5, tartrate resistant	2.05
	424959	NM_005781	Hs.153937	activated p21cdc42Hs kinase	2.05
	402678			Target Exon	2.05
	408146	R45621	Hs.81057	hypothetical protein MGC2718	2.05
15	420027	AF009746	Hs.94395	ATP-binding cassette, sub-family D (ALD)	2.04
	427447	T65414	Hs.6647	Homo sapiens cDNA FLJ13088 fts, clone NT	2.04
	433219	AB040916	Hs.24106	KIAA1483 protein	2.04
	431126	AF085243	Hs.283619	zinc finger protein 236	2.04
	407135	TS4896	Hs.287420	Homo sapiens cDNA FLJ11533 fts, clone HE	2.04
20	419669	AJ070401	Hs.92236	KIAA0304 gene product	2.04
	419594	AA013051	Hs.91417	topoisomerase (DNA) II binding protein	2.03
	426242	AL096727	Hs.168249	Homo sapiens mRNA; cDNA DKFZp434B104 (fr	2.02
	432185	AA221032	Hs.272838	hypothetical protein FLJ10494	2.02
	437108	AA434054	Hs.80624	hypothetical protein MGC2560	2.02
25	408636	BE294925	Hs.46680	CGI-12 protein	2.02
	420005	AW271106	Hs.133294	ESTs	2.02
	412783	BE276738	Hs.74578	DEAD/H (Asp-Glu-Ala-Asp/His) box polypep	2.02
	415319	AA659823	Hs.34955	Homo sapiens cDNA FLJ13485 fts, clone PL	2.02
	425358	AL073658	Hs.338207	FLK508 binding protein 12-rapamycin assoc	2.01
30	409517	BE003760	Hs.55209	Homo sapiens mRNA; cDNA DKFZp434K0514 (f	2.01
	438450	A1050866	Hs.65853	nodal, mouse, homolog	2.00
	431629	AU077025	Hs.265827	interferon, alpha-inducible protein (clo	2.00
	424934	U75370	Hs.153880	polymerase (RNA) mitochondrial (DNA dire	2.00
	436291	BE580452	Hs.344037	protein regulator of cytokinesis 1	2.00
35	414251	AL042306	Hs.97689	VASA protein	2.00

TABLE 51B

Pkey: Unique Eos probeset identifier number
 CAT number: Gene cluster number

40		Accession:	Genbank accession numbers	
	Pkey	CAT Number	Accession	
45	432666	144_7	AA558585 AA565499 AI360576 AW204069 AA991648 AA884939	
	423458	30480_1	BC018070 BG702493 AI204212 AA460929 AA993606 BF926635 AA226938 BG190705 BG1B6496 AW291865 BG183340 BG195301 BG214539	
	418477	4172_1	BG15094 BG198867 BG186532 BG208220 BG212418	
			BC022538 AI990847 BF478249 BG217995 BG212702 BG182057 AW598835 BF000085 AA993969 BG479023 BG220014 BG679466 BE907092	
50	436812	659779_1	AI623855 AA223956 AA223917 AW022983 AW090680 AW573219 BF514491 BF445397 AA884705 AI910424	
	436899	1000797_1	AW978773 AW298067 AA810101 AW194180 AA731645 AI690673	
	437421	978554_1	AT684852 AA736937	
	430676	60838_2	AA917062 AA757369 AW592218	
			BG433960 BE061583 T05808 BE144813 AW812038 BE144812 AW812040 AW812041 AI124350 BE061602 BE081604 BF922895 BE061603	
			AI524691 BI051602 BI052752 AW818206 BF887722	
55	427521	513212_1	AW873522 BF222929 AW015853 BF059130 AI851629 BE551767 AA558414 AI339359 BF059601 AI961162 AI341422 AI206248 AI206165	
	436909	596835_1	AA548738 AA768578 AI539081 AW025957 AA736837 N79757 AW594357 AA480892	
	429228	215430_1	AW102570 AA907150 AA907120 AA237188 AI248890 AW977353	
			BS678155 BM009591 AI479075 AI025794 AI017967 AA448270 BE466812 AA4653422 AI392649 BG952034 AA513384 BF840124 BE714620	
60	435614	132288_1	AW986905 AI553633	
	422689	874209_1	AA683366 AW592804 AI150287	
	421974	864120_1	AW854733 AA315006 AW856686	
	414136	30243_1	AA301270 AA301379 AA301366	
			AA420463 AL526740 AW986449 AA459140 AA843693 AI568518 AW971760 AA430089 AI753216 AA854268 AA743075 AI864957 AA458920	
			AI566534 AA217198 BG615512 BE169275 BF983253 BF69462 AA765261 AI769894 AA135833 AI831542 N63376 AA214392 AU154485	
65	417888	1031334_1	AW605017 AW450072 AA446459 BE881875 AI051423 AA58549 AW439151 AA426273 Z40087 AA812434 AA135965 H04812	
	418235	886897_1	AA210987 D57294 AA214584 AA207006 D56572	
	414725	19377_1	BE072634 BE072653 AA217436	
			NM_058166 AF220030 AL043894 AW974257 AA625445 AI153502 AI650537 AW612116 AI572377 AW772451 BE892241 BE501740 AA716936	
70	434609	14739_1	AI052076 AI654203 BE503226 AI651927 AW873562 AW271269 AW271268 AI873518 AI207150 AI388026 AI605028 AI628362 AA227117 AI2D7149	
	408055	101881_1	AW602076 AI470776 AA588100 AW235852 AA769791 AI701653 AK027664 AI984770 AU153469 BE222316 AA609539 BE220093 AA609112	
	412537	14056_1	BI054316	
			AA205201 AA425472 AI694282 BG057305 AA907787 AI286170 AI684577 AJ420494 AI809865 BF058095 AI478773 AI160445 AL044114	
75	415684	18695_18	AW685529 AI129239 AW297152 AI268215 AI468507 AI069353 BE552356 N66509 AA736741 AA392555 AW758111 AV759188 BI259364	
	433641	35983_1	BF445142 BG232055 AI141758 AI631202 AI67556 AI208445 AA889823 BF982682 N90322 BI090982 BF208005 AW953918 AI044113 AI016793	
			AA382556 AW235763 AA927051 AI862075 BE885691 BE619282	
80	424281	692055_1	BF666746 D59358 BG678312 N58640 AA168861	
			AF080229 AF080232 U87593 U87592 U87591 U87590 AI636743 AI633818 AW206802 AI683718 AF080231 AF080234 AF080233 AL535694	
			A818326 AF080230 S46404 AI970376 AA463992 AW665466 BF512210 U87595 U87598 BE550333 AI672574 BE467547 AI680833 AW614951	
			N29986 N25695 H69001 U87598 BE673974 AI797496 AI701528 AA703395 AW139734 H92278 N66048 BE219539 BE671665 AI624817 BE468611	
			AI206344 AA574397 BF593413 BG231271 BF773517 U87594 BF052180 BE466420 AI887798 BF674385 AA204735 AW496808 AA204833	
			AA207155 BI004756 AA206262 AI365204 H77608 AW590511	

427298	115241_1	AA933717 BF061897 AW628327 AA641788 AA400495	
420218	191547_1	AW958037 R42557 AI337047 AA948360 AI638005 AA459950 AI624915 AI63B047 AI467856 AI621826 AA860306 AI932315 AW003092 AW271756 AW779380 AA609879 AI634791 AI93770 AI65211 Z41145 AI627952 AA303734 BE349457 AW195765 AA256527 BE089727	
5	418049	12052_4	AJ314647 NM_052888 BI494633 AA835065 AI634477 AI336878 AI807696 BF477887 AI701147 Z39187 R38979 F02234 AA984711 BI222234
	433023	3970_8	AV731417 R42406 H04936 T98498 R12409 R12577 R42405 BE999967 BF438599 AW864793 AI602899 BE815132 AW468888 AI672189 AI052004 BF112024 AA772335 AW275054 AA573845 AI144148
10	418866	245947_1	AI968683 AA846676 AA927365 H80424 AW973295 R88209 F29868 BE928871
	427239	20459_2	T65754 AA229658 AA229857
15	437834	294580_1	AL632360 BE794750 AA582906 AI015067 AW271034 BG271636 AW075177 AW071374 AI345565 AI307208 BE138953 BE049066 AI334881 AW075006 AW075181 AA464019 AW302733 AW075100 AW073433 AI802854 AI334909 AI802853 AI345038 AI348921 AI340734 AI307478 AI251289 AW302327 AW072520 AI312145 AI073655 AW072513 AW071289 AI307493 AI255068 AI252868 AI252893
	438243	2532601_1	AW074809 AI252926 AI252160 AI251662 AI251093 AI270787 AI270166 AI252075 AW073469 AW072901 AW072496 AW071420
20	410704	1054673_1	AI305762 AI254764 AI802837 AI251263 AW073049 AW071311 AI340643 BE138965 BE138502 AW073456 AI334733 AI054335 BE139260 AI054302 AI054080 AI054057 AI053722 BI289711 BE139228 AW470478 AW271039 AW302085 BE041872 AI254494 AI271496 AI252427
	430958	1237115_1	BF718773 BF718645 AW074866 BE8357822
	427260	11272_50	BG110129 AW749287 BE535498 AW749299 AW749293 AW749302 AW749298 AW749291 AW749294 AW749289 AW749288 AW749296
25	433979	2076469_1	AA769294 AW749297 AW749295 AW749292 BE002573
	426919	347372_1	AI581311 AW871682 AA781678
	438869	52134_1	AW877458 AW877524 BE076922 BE166912 AW840534 BE076754 AW797829 BE166905 BE166926 AW877462 BE166927 BE166932 AW877523
	412389	1174403_1	BE166917 AW877529 BE166928 BF351394 AW877522 AW877528 BE166861 BE166866 BE166913 BE166919 AW877456 AW877537 BE076866
30	400205	2538_1	AW840571
	430958	1237115_1	AW972830 AA489820 AA527847 AA570362
	427260	11272_50	AA401424 AA400100 AA663848
35	433979	2076469_1	N50454 AA620999 T16375
	426919	347372_1	BI917593 V1203314 AL042128 AW77959 D61361 D62004 BI753157 AA961066 AI990307 BF439661 AI453076 AI376075 AI014836 AI018308
	438869	52134_1	AW183330 AA393346 AA935601 AA628633 AI150282 AI028574 AI217182 AA431478 AW087473 AW900295 H50055 AL041229 BI917726
	412389	1174403_1	AF075009 R63109 R63068
40	400205	2538_1	AW947655 AW984020
	430958	1237115_1	NM_002685 D38551 X98294 BM477931 BM461566 AU123557 AU133303 AU134649 AW500421 BM172439 AW500587 AW503665 AW504355
	427260	11272_50	AW503640 BM152454 AW505260 AI815984 AW504075 AW500716 AL597310 BC001229 BM474371 AA984202 AI136205 BE090841 AW163750
45	425331	1227464_1	BF747730 BF898637 AI206506 AW660870 AW692110 AW386832 AW656831 NB4710 AW993470 BF068082 BF750454 BG960772 BF757769
	437437	6087_1	BI870853 BE018627 C75436 AW148744 BF757753 BG622067 BE909294 AA708206 BG630266 BF968015 AW92930 BF88862 BG636628
	438869	52134_1	AA143164 AW748953 BG498822 BF885190 BF89006 BF754781 BF800003 BM476529 AI627658 AW028126 AL046011 BF590668 AI017447
	412389	1174403_1	AA579356 AI367597 AA659622 BE280597 AI24620 AI082548 AW274985 AA677870 BE551699 AA287642 H94499 AI752427 AI652365
50	430183	17316_1	AW002374 AW052651 AA360834 N56822 AI135442 AU125960 Z78334 BE545813 AI092115 BF312771 BF242859 BG533616 BG533761
	430504	5477_6	BG164745 BC492433 BM473183 AA172043 AA172069 AU157092 AU151353 AU155318 BE302211 AI375022 AA085641 AU157923 H88858
55	428612	1383189_1	AA132739 AA115113 AA909781 AI475256 AA424206 AW572303 AW084296 AI684820 AI469178 AI782432 H92184 AA340562 BF195818
	409570	8882_8	AA852821 AW876342 AA827017 AA173317 AW190014 AI918514 AA729372 AA729718 AI055958 AA331424 BE328601 AA5158930 BI018896
60	418574	12009_2	AW828277 AA748368 AA626222 BG492636 AW380620 BF800058 AW370956 AA290909 R25857 BG952895 BF801437 AA172077 AU155890
	409019	32320_4	AI149783 AI720803 AA902936 AA865727 AI70830 AW740677 AA142982 AA482485 AI45485 AW576399 AU156042 R63448 BF246427
	430935	15297_3	BE928472 D25910 BF758079 BE68785 BE568238 AA659891 AI905607 BG291148 BG533096 BF532888 BF030986 BG813756 BE928471
65	424677	2518_37	BG574501 AA187596 AA361198 T95557 BG531446 BG527242 BG527513 BG811106 AA085955 BF847252 BG024608 BE540261 BG531236
	425331	1227464_1	AL579393 BC108733 BG483503 BG571032 BG492505
	437437	6087_1	AA427363 AW862128 AA355353
	430183	17316_1	BC009352 BC014630 AI131857 AL527140 AIU131768 BI769362 BI753220 AU128771 AA314135 AU126819 AI333789 AA479336
	430504	5477_6	AA258503 AL597351 AL5359619 BG697218 BI254283 AT743845 AA236444 AA397533 AA247450 AI051464 AI224533 AU153442 AU151001
70	418574	12009_2	AI152621 AI151829 AI153062 AW269958 AI154195 AI682754 AI589780 AW728398 AI336155 AI126632 BE046048 AA978930 AI28304
	409019	32320_4	AI625961 AI222280 AI280064 AI973299 AI524262 AI242371 AI567856 AI590681 AI346616 AW274913 AI422051 AI475352 AI689531
	430935	15297_3	AW409308 AW198034 AA936939 AIU15059 AIU148134 AA486419 AIU151953 AIU30968 BI493264 AI48661 BE268763 AV763495
	424677	2518_37	AW955043 AI990326 AA776406 AI012650 AW451882 AA843678 BF916900 AW945895 AI979339 N23129 W70051 AA322672 N23137
	409019	32320_4	BM48013 N28098 AI240826 BE882093 BE240827 AW868637 BF73975 AI700834 AA769597 AA468668 AW968806 AW085198
	430935	15297_3	AI093280 AI218457 AAD63138 AI632958 AW515005 AI570530 Z41724 AA748789 AI696584 AA082544 AA773543 AA490285
	424677	2518_37	BC017923 AA769302 AW466994 BF613878 AI18942 AI184913 AW469044 AI220572 AW072916 AI280239 AI73611 AW841126 D60937
	409019	32320_4	AA469195 N59350 AA693435 BG531204 AA84243 AW514092
	430935	15297_3	U09414 NM_003438 AA503545 AI022449 AA043458 AA766074 AA765442 AA805052 AI028211 AW809708
	424677	2518_37	TABLE 51C
	409019	32320_4	Pkey: Unique number corresponding to an Eos probeset
	430935	15297_3	Ref: Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1989) <i>Nature</i> 342:489-495.
	424677	2518_37	Strand: Indicates DNA strand from which exons were predicted.
	409019	32320_4	Nt_position: Indicates nucleotide positions of predicted exons.
75	406547	7711513	
	402145	8018280	Strand: Minus
	402189	8576116	Nt_position: 1727180-174358
	401435	8217934	Strand: Plus
	402408	9795239	Nt_position: 113086-114800
	406357	9255126	Strand: Minus
	402680	8113438	Nt_position: 58313-59489
	402289	6593370	Strand: Plus
	401091	9959240	Nt_position: 23387-25175
	402680	8113438	Ref: 137634-137768, 139702-139693, 140475-14059
	402289	6593370	Ref: 23387-25175
	401091	9959240	Ref: 94760-94898

401464	6682291	Minus	170688-170834	
403969	8569909	Plus	31237-31375,32405-32506	
401837	7630990	Minus	120993-121095,121660-121729	
404068	3168621	Minus	18123-18766	
5	403137	9211494	Minus	92349-92572,92958-93084,93579-93712,9394
	402679	8113438	Plus	132079-132216
	403780	8076989	Plus	93160-93409
	404071	7210053	Minus	167354-167859,168810-168920,169000-16910
10	403242	7637817	Minus	11297-12511
	402260	3395665	Minus	113785-113910,115853-115765,116808-11694
	400587	9887626	Plus	25435-25588,25668-25747
	405770	2735037	Plus	61057-62075
	403532	8076842	Minus	81750-81901
15	406137	9166422	Minus	30487-31058
	402677	8113438	Plus	22135-22309,23063-23238
	402678	8113438	Plus	37395-37514,37866-37981

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TABLE S2A:

Pkey: Unique Eos probeset identifier number

ExAccn: Exemplar Accession number, Genbank accession number

UnigeneID: Unigene number

Unigene Title: Unigene gene title

R1: Ratio of testicular cancer (non-seminomatous and Seminomatous) compared to normal adult testicular tissues

	Pkey	ExAccn	UnigeneID	Unigene Title	R1
30	414438	AI879277	Hs.76136	thioredoxin	51.77
	424247	X14008	Hs.234734	lysozyme (renal amyloidosis)	49.93
	416880	AW245540	Hs.79516	brain abundant, membrane attached signal	49.20
	412948	BE243313	Hs.334851	LM and SH3 protein 1	44.46
	438091	AW373062		nuclear receptor subfamily 1, group l, m	40.70
35	406659	AI920965	Hs.77951	major histocompatibility complex, class	39.64
	418174	L20688	Hs.83656	Rho GDP dissociation inhibitor (GDI) bet	38.70
	409038	T97490	Hs.50002	small inducible cytokine subfamily A (Cyt	38.25
	413063	AL035737	Hs.75184	chitinase 3-like 1 (cartilage glycoprote	37.50
40	430542	A557486	Hs.119122	ribosomal protein L13a	37.22
	428928	BE409838	Hs.194657	cadherin 1, type 1, E-cadherin (epitheli	35.98
	432730	AI068520	Hs.131358	ESTs	35.25
	444562	AA186715	Hs.336429	RIKEN cDNA 9130422N19 gene	31.69
	446525	AW957069	Hs.211558	hypothetical protein MGC5487	31.33
	417088	M54915	Hs.81170	pim-1 oncogene	31.20
45	418870	AF147204	Hs.89414	chemokine (C-X-C motif), receptor 4 (fus	29.93
	433800	AI034361	Hs.135150	lung type-1 cell membrane-associated gly	29.35
	426295	AW367283	Hs.29797	zinc finger protein 6 (CMF6)	29.32
	406856	AW515336	Hs.1545	ribosomal protein L10	28.93
50	417139	M69043	Hs.81328	nuclear factor of kappa light polypeptid	27.99
	440207	AI371978	Hs.128326	ESTs	27.75
	422578	AF239666	Hs.1545	caudal type homeo box transcription fact	26.95
	432359	AA076049	Hs.274415	Homo sapiens cDNA FLJ10229 fis, clone HE	26.90
	420367	AA259090	Hs.257028	ESTs	26.50
	429978	AA249027		ribosomal protein 88	26.43
55	440440	Z28925	Hs.7188	sema domain, immunoglobulin domain (Ig),	26.36
	423673	BE003054	Hs.1695	matrix metalloproteinase 12 (macrophage	26.23
	412636	NM_004415		desmoplakin (DPL, DP1)	26.15
	435538	AB011540	Hs.4930	low density lipoprotein receptor-related	25.25
60	446699	NM_005397	Hs.16426	podocalyxin-like	25.25
	442562	BE379584		dolichyl-diphosphooligosaccharide-protei	25.15
	406656	M16714	Hs.89643	major histocompatibility complex, class	25.13
	446619	AU076643	Hs.313	secreted phosphoprotein 1 (osteopontin,	24.78
	423351	D13665	Hs.136348	peroxin (OSF-2α)	24.48
65	425543	R23313	Hs.334895	ribosomal protein L10a	24.38
	420676	AI434780	Hs.4248	vav 2 oncogene	24.18
	406820	A1223968	Hs.108124	ribosomal protein S4, X-linked	23.96
	440869	NM_014297	Hs.7485	protein expressed in thyroid	23.80
	447526	AL048763	Hs.303849	small inducible cytokine A2 (monocyte ch	23.56
70	414587	NM_004882	Hs.78507	LPS-induced TNF-α factor	23.22
	446627	A1973016	Hs.15725	hypothetical protein SBBI48	22.93
	449571	AW016812	Hs.200268	ESTs	22.83
	413787	AI352558		tyrosine 3-monoxygenase/tryptophan 5-mo	22.81
	410315	AI638871	Hs.17625	Homo sapiens cDNA: FLJ22524 fis, clone H	22.68
	414092	Z14244	Hs.75752	cytochrome c oxidase subunit VIIb	22.45
75	422714	AB018335	Hs.119387	KIAA0792 gene product	22.45
	439180	AI393742	Hs.199087	v-erb-b2 avian erythroblastic leukemia v	22.30
	444784	D12485	Hs.11951	ectonucleotide pyrophosphatase/phosphodi	21.69
	406648	AA563730	Hs.277477	major histocompatibility complex, class	21.58
	448588	A1970276	Hs.156905	KIAA1676	21.23
80	433423	BE407127	Hs.8997	heat shock 70kD protein 1A	21.19
	429490	A1971131	Hs.23889	ESTs, Weakly similar to ALU7...HUMAN ALU S	20.70
	432606	NM_002104	Hs.3066	granzyme K (serine protease, granzyme 3;	20.50
	407862	BE548287	Hs.337986	Homo sapiens cDNA FLJ10934 fis, clone OV	20.57

420754	W79431	Hs.346911	ribosomal protein L22	20.40	
425769	U72513	Hs.159486	Human RPL13-2 pseudogene mRNA, complete	20.15	
424800	AL036588	Hs.153203	MyoD family inhibitor	20.10	
412915	AW087727	Hs.74823	NM_004541;Homo sapiens NADH dehydrogenase (ubiquinol oxidoreductase), subunit 2	20.01	
5	452322	BE565343	Hs.28988	glutaredoxin (thiols transferase)	19.89
	410143	AA188169	KIAA1191 protein	19.41	
	420759	T11632	Hs.127797	Homo sapiens cDNA FLJ111381 fs, clone HE	19.08
	430253	AK001514	Hs.236844	hypothetical protein FLJ10652	19.03
10	426535	AB007937	Hs.158287	KIAA0468 gene product	18.78
	411573	AB029000	Hs.70823	KIAA1077 protein	18.63
	452874	AK001081	Hs.30925	hypothetical protein FLJ10199	18.53
	408669	AA1493591	Hs.78146	platelet/endothelial cell adhesion molec	18.52
	421379	Y15221	Hs.103962	small inducible cytokine subfamily B (Cytokine)	18.50
	426083	AW562712	Hs.126712	ESTs, Weakly similar to AF191020 1 E2IG5	18.50
15	429183	AB014604	Hs.197855	KIAA0704 protein	18.48
	450000	AB952797	Hs.10888	hypothetical protein FLJ21709	18.44
	450377	AB033091	KIAA1265 protein	18.40	
	430255	AK000703	Hs.323822	Homo sapiens mRNA for KIAA1551 protein,	18.15
20	440528	BE313655	Hs.7252	KIAA1224 protein	18.05
	444361	BE387335	Hs.283713	ESTs, Weakly similar to S64054 hypothetical	17.98
	420028	AB014680	Hs.8786	carbohydrate (N-acetylglucosamine-6-O) s	17.80
	414682	AL021154	Hs.76884	inhibitor of DNA binding 3, dominant neg	17.75
	428782	X12830	Hs.193400	Interleukin 6 receptor	17.48
25	415221	W07418	Hs.78225	annexin A1	17.47
	429614	AI371172	Hs.211539	hypothetical protein MGC4248	17.40
	418707	U97502	Hs.87497	butyrophilin, subfamily 3, member A2	17.30
	412025	AI827451	Hs.24143	Wiskott-Aldrich syndrome protein interac	17.14
	417407	AA082378	Hs.290906	ESTs, Weakly similar to protease [Hsap1]	17.13
30	424236	NM_014479	Hs.145296	ADAM-like disintegrin protease, decsin	17.10
	446921	AB012113	Hs.16530	small inducible cytokine subfamily A (Cytokine)	17.03
	425995	W67330	Hs.145115	hypothetical protein AL110115	16.98
	402474		NM_004079;Homo sapiens cathepsin S (CTSS)	16.98	
	450937	R49131	Hs.26267	ATP-dependant interferon response protel	16.98
	427521	AW973352	ESTs	16.93	
35	421181	NM_005574	Hs.184685	LIM domain only 2 (rhombotin-like 1)	16.93
	443523	AK001575	Hs.9536	hypothetical protein FLJ10713	16.53
	449338	H73444	Hs.394	adrenomedullin	16.36
	429469	M64590	Hs.27	glycine dehydrogenase (decarboxylating);	16.23
40	425945	AW410569	Hs.164280	solute carrier family 25 (mitochondrial)	16.21
	430332	R51790	Hs.239483	Human clone 23933 mRNA sequence	16.15
	427691	AW194426	Hs.20726	ESTs	16.13
	406786	AW161678	Hs.111334	ferritin, light polypeptide	16.11
	431639	AK000680	Hs.266175	phosphoprotein associated with GEMs	16.10
	451106	BE362701	Hs.25960	N-MYC oncogene	16.09
45	408380	AF123050	Hs.44532	diubiquitin	16.00
	445863	R12234	Hs.13396	Homo sapiens clone 25028 mRNA sequence	15.93
	456236	AF045229	Hs.82280	regulator of G-protein signaling 10	15.70
	406791	AI220684	Hs.347939	hemoglobin, alpha 2	15.69
50	414020	NM_002984	Hs.75703	small inducible cytokine A4 (homologous	15.64
	440273	AI805392	Hs.325335	Homo sapiens cDNA: FLJ23523 fs, clone L	15.55
	417640	D30857	Hs.82353	protein C receptor, endothelial (EPCR)	15.55
	446108	AL036596	Hs.42322	A kinase (PRKA) anchor protein 2	15.53
	410185	BE294068	Hs.737	immediate early protein	15.49
	422105	AI929700	Hs.111680	endosulfine alpha	15.23
55	415899	X78992	Hs.78909	butyrate response factor 2 (EGF-response	15.23
	428227	AA321549	Hs.2248	small inducible cytokine subfamily B (Cytokine)	15.05
	427820	BE222484	Hs.180919	inhibitor of DNA binding 2, dominant neg	15.02
	426552	BE297660	Hs.170328	moesin	14.96
60	422241	Y00052	Hs.170121	protein tyrosine phosphatase, receptor type	14.88
	436660	H12751	Hs.5327	PRO1914 protein	14.85
	418509	AB028624	Hs.85539	ATP synthase, H transporting, mitochondrial	14.84
	444060	AA340277	Hs.74170	Homo sapiens cDNA: FLJ20167 fs, clone CO	14.78
	412623	R28898	Hs.74170	metallothionein 1E (functional)	14.70
65	408989	AW361666	Hs.49500	KIAA0746 protein	14.53
	425234	AW152225	Hs.165909	ESTs, Weakly similar to I38022 hypothetical	14.48
	417144	AA382104	Hs.81337	lectin, galactoside-binding, soluble, 9	14.31
	410325	AB023154	Hs.62264	KIAA0937 protein	14.23
	415938	BE385507	Hs.78821	A kinase (PRKA) anchor protein 1	14.20
70	433412	AV853729	Hs.8185	CGI-44 protein; sulfide dehydrogenase II	14.19
	418151	AA864238	Hs.83583	actin related protein 2/3 complex, subunit	14.18
	426996	AW988934	Hs.173108	Homo sapiens cDNA: FLJ21897 fs, clone H	14.13
	447211	AL161961	Hs.17767	KIAA1554 protein	14.08
	417426	NM_002291	Hs.82124	laminin, beta 1	14.08
	414420	AA043424	Hs.76095	immediate early response 3	14.04
75	444051	N48373	Hs.10247	activated leucocyte cell adhesion molecu	14.02
	454413	AI653572	Hs.40092	PNAS-123	13.93
	452651	AI218918	Hs.30209	KIAA0854 protein	13.86
	450581	AF081513	Hs.25195	TGF-beta 4	13.85
	420982	NM_005904	Hs.100602	MAD (mammals against decapentaplegic, Dr.	13.78
80	407112	AA070801	Hs.51615	ESTs, Weakly similar to ALU7_HUMAN ALU S	13.63
	410598	AI817130	Hs.9195	Homo sapiens cDNA FLJ13698 fs, clone PL	13.59
	428864	AK001666	Hs.189095	similar to SALL1 (sal (Drosophila)-like	13.57
	448412	AI219083	Hs.42532	ESTs, Moderately similar to ALU8_HUMAN A	13.53

430268	AK00737	Hs.237480	hypothetical protein FLJ20730	13.43	
445055	BE512856	Hs.109051	SL13 domain binding glutamic acid-rich pr	13.41	
447534	AW953935	Hs.288655	ESTs	13.33	
5	408822	AW500715	Hs.57079	Homo sapiens cDNA FLJ13267 fis, clone OV	13.31
	428065	AI534046	Hs.157313	ESTs	13.30
	425289	AW139342	Hs.155530	interferon, gamma-inducible protein 16	13.28
	436398	Hb7136	Hs.5174	ribosomal protein S17	13.18
	453866	AA804789	Hs.19447	PDZ-LIM protein mystique	12.93
10	452436	BE077546	Hs.31447	ESTs, Moderately similar to A46010 X-lin	12.90
	445817	NM_003642	Hs.13340	histone acetyltransferase 1	12.80
	408437	AW957744	Hs.278489	lacrimal proline rich protein	12.80
	435622	N64214	Hs.9774	synovial sarcoma translocation gene on c	12.89
	416857	AA866115	Hs.127797	Homo sapiens cDNA FLJ11381 fis, clone HE	12.83
15	406743	AA911688	Hs.279880	tumor protein, translationally-controlo	12.79
	407951	W77762	Hs.79015	antigen identified by monoclonal antibod	12.78
	435080	AI831760	Hs.165111	hypothetical protein FLJ14428	12.75
	418299	AA279530	Hs.83968	integrin, beta 2 (antigen CD18 (p95), ly	12.73
	430630	AW269920	Hs.2621	cystatin A (stein A)	12.68
20	409208	Y00093		integrin, alpha X (antigen CD11C (p150),	12.65
	422511	AU076442	Hs.117938	collagen, type XVII, alpha 1	12.50
	438915	AA280174	Hs.285681	Williams-Bauren syndrome chromosome regi	12.48
	437374	AI359571	Hs.44054	ninjeln (GSK3B interacting protein)	12.43
	433793	AW975959	Hs.107513	ESTs, Moderately similar to KIAA1058 pro	12.43
25	409963	AA133590	Hs.250857	calcium/calmodulin-dependent protein kin	12.41
	412247	AF022375	Hs.73793	vascular endothelial growth factor	12.41
	413497	BE177681		gb:RC1-H10598-020300-011-02 HT0598 Homo	12.40
	438876	AI124756	Hs.5337	isocitrate dehydrogenase 2 (NADP), mitoc	12.38
	432409	AA806538	Hs.130732	KIAA1575 protein	12.33
30	453020	AI162039	Hs.31422	Homo sapiens mRNA; cDNA DKFZp434M229 (fr	12.33
	419384	AA490866	Hs.39429	ESTs	12.33
	410275	U85658	Hs.61796	transcription factor AP-2 gamma (activat	12.32
	432805	X94630	Hs.3107	CD97 antigen	12.32
	416975	NM_004131	Hs.1051	granzyme B (granzyme 2, cytotoxic T-lymp	12.25
35	450719	AI096837	Hs.21349	ESTs, Weakly similar to RBBB_HUMAN RAS-R	12.13
	423753	Y11312	Hs.132463	phosphoinositide-3-kinase, class 2, beta	12.12
	418460	M26315	Hs.65268	CD6 antigen, alpha polypeptide (p32)	12.03
	402145			Target Exon	12.01
	407179	AA206455		thymosin, beta 4, X chromosome	12.00
40	433208	AW002834	Hs.24095	ESTs	11.95
	447735	AA775268	Hs.6127	Homo sapiens cDNA: FLJ23020 fis, clone L	11.90
	408912	AB011084	Hs.48924	KIAA0512 gene product; ALEX2	11.83
	422068	AI807519	Hs.104520	Homo sapiens cDNA FLJ13894 fis, clone PL	11.75
	431427	AK000401	Hs.252748	Homo sapiens cDNA FLJ20394 fis, clone KA	11.75
45	427761	AA412205	Hs.140996	ESTs	11.68
	449246	AW411209	Hs.23363	hypothetical protein FLJ10983	11.58
	436075	BE090170	Hs.179902	transporter-like protein	11.50
	440774	AI420611	Hs.153934	ESTs	11.35
	430594	AK000790	Hs.246885	hypothetical protein FLJ20783	11.25
50	419223	X60111	Hs.1244	CD9 antigen (p24)	11.08
	424528	AW073971	Hs.238854	ESTs, Weakly similar to KIAA1204 protein	11.08
	444656	AI277324	Hs.145199	ESTs	10.98
	420943	AI71B702	Hs.279930	major histocompatibility complex, class	10.96
	450294	H42587	Hs.238730	hypothetical protein MGC10823	10.92
	413688	AI469213	Hs.71404	ESTs	10.83
55	406701	AA780613	Hs.62954	ferritin, heavy polypeptide 1	10.78
	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	10.75
	407252	AA659307	Hs.163780	ESTs	10.75
	445929	AI089660	Hs.323401	dpy-30-like protein	10.70
60	451864	N20370	Hs.69547	ESTs	10.69
	429307	AI076592	Hs.198951	jun B proto-oncogene	10.64
	434280	BE006398		gb:CM1-BN0116-150400-169-h02 BN0116 Homo	10.63
	447519	U46258	Hs.339665	ESTs	10.63
	417365	D50683	Hs.82028	transforming growth factor, beta recepto	10.59
	418945	BE246762	Hs.89499	arachidonate 5-lipoxygenase	10.55
65	406776	T16205	Hs.237164	ESTs, Highly similar to LDHR_HUMAN L-LAC	10.54
	437103	AW139408	Hs.152940	ESTs	10.50
	449961	AW266334	Hs.133100	ESTs	10.50
	441244	BE612895	Hs.184052	PP1201 protein	10.49
	450139	AK001838		serum/glucocorticoid regulated kinase	10.48
70	427202	BE272922	Hs.173936	Interleukin 10 receptor, beta	10.48
	449344	AA737415	Hs.58215	Homo sapiens, Similar to rhokin, clone	10.47
	438089	W05391		ESTs	10.43
	432559	AW452948	Hs.257631	similar to yeast Upf3, variant B	10.43
	414191	AW250089	Hs.75807	gb:z280f10s1 Soares ovary tumor NbHOT H	10.40
	424950	AA602917	Hs.156974	ESTs	10.40
	434442	AA737415		ESTs	10.33
	438089	W05391		nuclear receptor subfamily 1, group I, m	10.33
75	432559	AW452948		ESTs	10.30
	414191	AW250089	Hs.165390	PDZ and LIM domain 1 (elfin)	10.30
	434649	AA738254	Hs.300870	ESTs, Highly similar to A40950 transcri	10.28
	424321	W74048	Hs.1765	lymphocyte-specific protein tyrosine kin	10.27
	452568	AAB05634		Homo sapiens mRNA; cDNA DKFZp547M072 (fr	10.27
80	419490	NM_006144	Hs.90708	granzyme A (granzyme 1, cytotoxic T-lymp	10.23

445245	AB032973	Hs.12461	LCHN protein	10.18	
446488	AB037782	Hs.15119	KIAA1361 protein	10.15	
410611	AW054134	Hs.20924	KIAA1628 protein	10.15	
425875	AU077333	Hs.160483	erythrocyte membrane protein band 7.2 (s	10.14	
5	416926	H03109	Hs.263395	HT018 protein	10.07
	420225	AW243046	Hs.282076	Homo sapiens mRNA for KIAA1650 protein.	10.05
	445577	N40696	Hs.137064	cytoplasmic polyadenylation element bind	10.04
	411975	A1916058	Hs.144563	ESTs	10.03
10	447644	AW861622	Hs.108646	Homo sapiens cDNA FLJ14934 fis, clone PL	10.00
	408784	AW971350	Hs.63386	ESTs	9.95
	444795	A1193356	Hs.160316	ESTs	9.93
	407110	AA018042	Hs.252085	Prader-Willi/Angelman syndrome-5	9.90
	400440	X83957	Hs.83870	nebulin	9.90
15	414829	AA321568	Hs.77435	pleckstrin	9.88
	427711	M31659	Hs.180408	solute carrier family 25 (mitochondrial	9.88
	426827	AW067805	Hs.172685	methionine tetrahydrofolate dehydrogenase	9.85
	456362	AW973003	Hs.179909	hypothetical protein FLJ22995	9.83
	446795	AJ797713	Hs.156471	ESTs	9.78
20	424201	L33075	Hs.1742	IQ motif containing GTPase activating pr	9.67
	422627	BE336857	Hs.118787	transforming growth factor, beta-induced	9.65
	419904	AA974411	Hs.18572	ESTs	9.63
	451129	BE072881		gb:RC2-BT0548-200300-012-e09 BT0548 Homo	9.63
	414405	A1362533		KIAA0306 protein	9.58
	418840	A1821614	Hs.185831	ESTs	9.53
25	453716	AA037675	Hs.152875	ESTs	9.50
	415323	BE269352	Hs.949	neutrophil cytosolic factor 2 (65kD, chr	9.50
	415189	L34657	Hs.78146	platelet/endothelial cell adhesion molec	9.45
	408360	A1806090	Hs.44344	hypothetical protein FLJ20334	9.45
30	423024	AA593731	Hs.325623	ESTs, Moderately similar to ALU5_HUMAN A	9.43
	434423	NM_006769	Hs.3844	LIM domain only 4	9.43
	437469	AW753112	Hs.15514	hypothetical protein MGC3260	9.43
	416078	AL034349	Hs.79005	protein tyrosine phosphatase, receptor 1	9.42
	410397	AF217517	Hs.63042	DKFZp554J157 protein	9.37
35	422603	BE242587	Hs.118851	hematopoietically expressed homeobox	9.37
	434524	AA635931	Hs.249716	ESTs	9.36
	422960	AW890487		cadherin 13, H-cadherin [heart]	9.35
	414774	X02419	Hs.77274	plasminogen activator, urokinase	9.32
	411960	R77776	Hs.18103	ESTs	9.30
40	428818	A1131291	Hs.102308	potassium inwardly-rectifying channel, s	9.28
	408161	AW952912	Hs.300383	hypothetical protein MGC3032	9.28
	441455	AJ271671	Hs.7854	zinc finger regulated transporter-like	9.27
	433271	BE621697	Hs.14317	nuclear protein family A, member 3 (H	9.27
	436823	AW749865	Hs.117077	ESTs, Weakly similar to I38022 hypoth	9.25
	427968	A1857607	Hs.181301	cathepsin S	9.23
45	420059	AF161486	Hs.94769	RAB23, member RAS oncogene family	9.23
	410730	AW368860		DnaJ (Hsp40) homolog, subfamily B, membe	9.23
	431958	X63629	Hs.2877	cadherin 3, type 1, P-cadherin [placenta	9.18
	417315	A1080042	Hs.180450	ribosomal protein S24	9.18
50	421098	A1697901	Hs.192425	ESTs	9.18
	422689	AW856665		gb:RC3-CT0297-290100-013-d03 CT0297 Homo	9.18
	433156	R59206	Hs.17519	Homo sapiens cDNA: FLJ22539 fis, clone H	9.17
	425246	A1085561	Hs.155321	serum response factor (c-fos serum respo	9.17
	440268	BE270030	Hs.336959	Homo sapiens, clone IMAGE-3577185, mRNA	9.15
55	414821	M63835	Hs.77424	Fc fragment of IgG, high affinity Ia, re	9.14
	407254	AW129401	Hs.181165	eukaryotic translation elongation factor	9.13
	426669	BE245580	Hs.171825	basic helix-loop-helix domain containing	9.12
	420099	D80011	Hs.95140	KIAA0189 gene product	9.10
	424766	AA353895	Hs.152983	HUS1 (<i>S. pombe</i>) checkpoint homolog	9.08
60	441436	AW137772	Hs.185980	ESTs	9.08
	448019	AW947164	Hs.195641	ESTs, Moderately similar to I38022 hypot	9.08
	437886	BE264111	Hs.31314	retinoblastoma-binding protein 7	9.08
	430556	AW987807	Hs.13797	ESTs	9.07
	450147	AW373713	Hs.146324	CGI-145 protein	9.06
65	442806	AW294522	Hs.149991	ESTs	9.05
	431187	AW971146	Hs.293187	ESTs	9.05
	449971	AA807345	Hs.288581	Homo sapiens cDNA FLJ14296 fis, clone PL	9.03
	417018	M16038	Hs.80887	v-yes-1 Yamaguchi sarcoma viral related	9.03
	422451	AA310753	Hs.42491	ESTs, Weakly similar to S65657 alpha-1C-	9.02
	419839	U24577	Hs.93304	phospholipase A2, group VII (platelet-ac	9.00
70	409493	AA386192	Hs.193482	Homo sapiens cDNA FLJ11903 fis, clone HE	8.99
	432314	AA533447	Hs.312989	ESTs	8.98
	414591	A188490	Hs.55902	ESTs, Weakly similar to ALU8_HUMAN ALU S	8.95
	415825	Y18024	Hs.78877	inositol 1,4,5-trisphosphate 3-kinase B	8.94
	429500	X78565	Hs.289114	hexabrachion (lensin C, cytokeratin)	8.93
75	420337	AW295840	Hs.14555	Homo sapiens cDNA: FLJ21513 fis, clone C	8.90
	452679	Z42387	Hs.83883	transmembrane, prostate androgen induced	8.90
	437108	AA434054	Hs.80624	hypothetical protein MGC2560	8.88
	417228	AL134324	Hs.7312	ESTs	8.88
	425593	AA276921	Hs.1908	proteoglycan 1, secretory granule	8.88
80	422616	BE300330	Hs.118725	selenophosphate synthetase 2	8.88
	438980	AW502384		gb:U-HF-BR0p-aka-f-12-0-Ui.1 NIH_MGC_5	8.85
	429109	AL008637	Hs.196352	neutrophil cytosolic factor 4 (40kD)	8.85
	444933	NM_016245	Hs.12150	retinal short-chain dehydrogenase/reduct	8.85

430592	AJ224864	Hs.9688	leukocyte membrane antigen(IRC1)	8.83	
445612	N94126	Hs.12959	hypothetical protein	8.80	
427254	AL121523	Hs.97774	ESTs	8.80	
428970	BE276891	Hs.194691	retinoic acid induced 3	8.80	
5	425190	AW028302	protein phosphatase 2, regulatory subunit	8.79	
	430162	AW450843	ESTs	8.75	
	421684	BE281591	Hs.106768	hypothetical protein FLJ10511	8.73
	446659	AI335361	Hs.226376	ESTs	8.73
10	447198	D61523	Hs.283435	ESTs	8.73
	437457	AA757500	Hs.270823	ESTs, Weakly similar to S65857 alpha-1C-decay accelerating factor for complement	8.70
	401091			ESTs	8.68
	442832	AW206560	Hs.253569	ESTs	8.68
	442495	AI184717		ESTs	8.63
15	428467	AK002121	Hs.184455	hypothetical protein FLJ11259	8.63
	449924	W30681	Hs.146233	Homo sapiens cDNA: FLJ22130 fis, clone H	8.61
	447674	BE270640	Hs.19192	cyclin-dependent kinase 2	8.59
	425580	L11144	Hs.1907	galanin	8.55
	449656	AA002008	Hs.188633	ESTs	8.55
20	412093	BE242691	Hs.14947	ESTs	8.54
	407633	AW955632	Hs.66666	ESTs, Weakly similar to S19560 proline-rich retinoblastoma-binding protein 5	8.54
	411979	X85134	Hs.72984	ARP2 (actin-related protein 2, yeast) homolog	8.53
	437134	AA349944	Hs.42915	ARP2 (actin-related protein 2, yeast) homolog	8.51
	430333	S70114	Hs.239489	TIA1 cytotoxic granule-associated RNA-binding protein	8.45
25	408996	AI979168	Hs.344096	glycoprotein (transmembrane) nmb	8.45
	425284	AF155568		NS1-associated protein 1	8.45
	441623	AA315805		desmoglein 2	8.43
	442622	NM_000435	Hs.8546	Notch (Drosophila) homolog 3	8.42
	441021	AW578716	Hs.7644	H1 histone family, member 2	8.40
30	446630	AW384793	Hs.15740	Homo sapiens mRNA: cDNA DKFZp434E033 (fr)	8.40
	417621	AV654694	Hs.82316	Interferon-induced, hepatitis C-associat	8.35
	433555	AL036559	Hs.3463	ribosomal protein S23	8.33
	449335	AW150717	Hs.345728	STAT Induced STAT inhibitor 3	8.32
	446975	BE246446	Hs.16695	ubiquitin-activating enzyme E1-like	8.31
35	436797	AA731491	Hs.334477	hypothetical protein MGC14879	8.30
	414662	AL036058	Hs.76807	major histocompatibility complex, class	8.30
	414501	AV660804	Hs.301417	AHNAK nucleoprotein (desmoyokin)	8.29
	406699	L08505	Hs.182979	ribosomal protein L12	8.28
	443864	N20617	Hs.194397	leptin receptor	8.28
40	442821	BE381929	Hs.8752	transmembrane protein 4	8.26
	418522	AA605038	Hs.7149	Homo sapiens cDNA: FLJ21950 fis, clone H	8.24
	435968	AW161481	Hs.111577	integral membrane protein 3	8.23
	440327	R12581	Hs.191146	ESTs	8.23
	409327	L41162	Hs.53563	collagen, type IX, alpha 3	8.22
	435684	NM_001290	Hs.4980	LIM domain binding 2	8.16
45	430299	W28673	Hs.105747	serine carboxypeptidase 1 precursor protein	8.15
	427523	BE242779	Hs.178526	upregulated by 1,25-dihydroxyvitamin D-3	8.14
	407151	H25836	Hs.301527	ESTs, Moderately similar to unknown [H.s. ESTs]	8.13
	448094	H24387	Hs.32061	ESTs, Weakly similar to I38022 hypothetical	8.10
	421395	D90084	Hs.1023	pyruvate dehydrogenase (lipoyamide) alpha	8.09
50	431574	AW872659	Hs.261373	hypothetical protein dJ434014.3	8.08
	412645	AW444433	Hs.135051	Homo sapiens, Similar to hypothetical protein	8.07
	423523	AW299828	Hs.193580	ESTs	8.03
	426759	A1590401	Hs.21213	ESTs	8.03
55	426780	BE242284	Hs.172199	adenylyl cyclase 7	8.03
	426215	AW963419	Hs.156223	stamnocalcin 2	8.03
	435748	AA699756	Hs.117335	ESTs	8.00
	443351	AW016783	Hs.30799	Homo sapiens cDNA FLJ13471 fis, clone P1	8.00
	447500	A1381900	Hs.159212	ESTs	8.00
60	407949	W21874	Hs.247057	ESTs, Weakly similar to 2109260A B cell	8.00
	428728	NM_016625	Hs.191381	hypothetical protein	8.00
	434511	R28982	Hs.18106	ESTs	7.99
	411852	AA528140	Hs.107515	ESTs, Weakly similar to T00329 hypothetical	7.98
	424875	A1187945	Hs.199310	ESTs	7.95
65	419378	R24922	Hs.90078	nucleotide-sugar transporter similar to	7.95
	449523	NM_000579	Hs.54443	chemokine (C-C motif) receptor 5	7.93
	425277	NM_001241	Hs.155478	cyclin T2	7.91
	451831	NM_001674	Hs.460	activating transcription factor 3	7.90
	443303	U57319	Hs.9216	caspase 7, apoptosis-related cysteine pr	7.90
70	407013	U35637	Hs.83870	gb:Human nebulin mRNA, partial cds	7.90
	429669	A1761902	Hs.99597	ESTs	7.90
	445493	A1915771		metallothionein 1E (functional)	7.89
	413420	AW410235	Hs.75348	proteasome (prosome, macropain) activato	7.88
	422592	NM_005908	Hs.115945	mannosidase, beta A, lysosomal	7.88
	453485	BE620712	Hs.33026	hypothetical protein PP2447	7.87
75	434169	AW135214	Hs.191828	ESTs	7.85
	432666	AW204069		ESTs, Weakly similar to unnamed protein	7.83
	430915	AA488953		gb:hsa55e05.1 NCL_CGAP_GCB1 Homo sapiens	7.83
	425913	AA365799		SEC22, vesicle trafficking protein (S. c	7.80
	448776	BE302464	Hs.30057	MRS2 (S. cerevisiae)-like, magnesium hom	7.80
80	438763	A1583207	Hs.99029	CCAAT/enhancer binding protein (C/EBP),	7.79
	435905	AW957484	Hs.5003	KIAA0456 protein	7.78
	406663	U24083		immunoglobulin heavy constant mu	7.78
	427395	AW298741	Hs.97861	ESTs, Moderately similar to I38022 hypoth	7.78

			hematopoietic cell-specific Lyn substrat	7.75
446272	8E268912	Hs.14601	gb:hn41c11.x1 NCI_CGAP_RDF2 Homo sapiens	7.75
436962	BE046594	Hs.288719	Homo sapiens cDNA FLJ12142 fis, clone MA	7.73
434963	AW974957	Hs.222051	ESTs	7.73
422900	AA641201	Hs.157108	ESTs	7.72
5	432598	AI341227	ESTs	7.71
	449322	AI638616	ESTs	7.71
	416987	D86957	KIAA0202 protein	7.67
	410800	BE280421	ESTs	7.67
	416801	X98634	sal (Drosophila)-like 2	7.67
10	437442	T85104	ESTs, Moderately similar to similar to N	7.65
	407137	T97307	gb:ye53h05.s1 Soares fetal liver spleen	7.65
	401466		vesicle-associated membrane protein 4	7.65
	406870	AA075144	gb:zm86f06.s1 Stratagene ovarian cancer	7.64
	408558	AW015759	Homo sapiens mRNA; cDNA DKFZp667B0711 (f	7.63
15	457250	AA811987	ESTs	7.63
	412949	AI471639	ESTs	7.63
	405819	AA908472	gb:xog82a10.s1 NCI_CGAP_Dv8 Homo sapiens	7.62
	441612	AI802629	Homo sapiens cDNA FLJ11631 fis, clone HE	7.62
20	414799	A7752416	insulin-like growth factor binding prote	7.61
	435937	AAB30893	ESTs	7.60
	447197	R36075	gb:hy88b01.s1 Soares placenta Nb2HP Homo	7.60
	407719	AW963866	Homo sapiens mRNA for FLJ00065 protein,	7.60
	417338	R70429	disabled (Drosophila) homolog 2 (mitogen	7.56
25	418134	A397769	ESTs	7.55
	451812	X81898	plakophilin 4	7.55
	412347	AW970026	ubiquinol-cytochrome c reductase hinge p	7.54
	428083	Y93937	BC12-related protein A1	7.54
	414004	AA737033	ESTs, Moderately similar to 2115357A TYK	7.52
30	423905	AW578960	lung type-1 cell membrane-associated gly	7.52
	407784	AW139585	ESTs	7.52
	425762	BE244076	AT-hook transcription factor AKNA	7.50
	418452	BE379749	C-type (calcium dependent, carbohydrate-	7.50
	438459	T49300	Homo sapiens cDNA FLJ13655 fis, clone PL	7.48
35	446013	A1360167	ESTs	7.48
	429281	AA830855	Homo sapiens cDNA: FLJ21122 fis, clone C	7.48
	415526	N76536	ESTs, Weakly similar to ALU1_HUMAN ALU S	7.45
	417450	AA314435	Homo sapiens cDNA: FLJ22539 fis, clone H	7.45
	431773	BE409442	pleckstrin homology-like domain, family	7.44
40	447082	T85314	thioredoxin-like	7.43
	441982	AW972542	Homo sapiens cDNA: FLJ21814 fis, clone H	7.43
	429058	AF138863	hypothetical protein FLB6421	7.43
	439971	W32474	RAP2A, member of RAS oncogene family	7.43
	442233	AW957149	ESTs, Weakly similar to I38022 hypothetical	7.43
45	436394	AA531187	ESTs	7.39
	452248	AA093668	muscleblind (Drosophila)-like	7.39
	446258	A1283476	ESTs	7.38
	410570	A113098	ATP synthase, H transporting, mitochondr	7.37
	447494	AA464939	hypothetical protein FLJ14697	7.36
50	435641	AA687381	ESTs	7.35
	453932	AW008303	ESTs, Weakly similar to (define not ava	7.35
	408057	BE244560	hypothetical protein FLJ10330	7.35
	427307	AF117947	PDZ domain-containing guanine nucleotide	7.35
	418336	BE179882	glutathione peroxidase 3 (plasma)	7.35
55	448877	AI583696	ESTs	7.35
	443195	BE148235	Homo sapiens cDNA FLJ14201 fis, clone NT	7.35
	444838	AV851880	ESTs	7.33
	422893	BE300073	tumor protein, translationally-controle	7.31
	424677	U09414	zinc finger protein 137 (clone pflZ-30)	7.30
60	441878	AI801869	ESTs	7.29
	406542		C1900728*gi|12585552|sp|Q9Y201|Z257_HU	7.28
	408416	AW953897	KIAA1435 protein	7.28
	425367	BE271188	protein tyrosine phosphatase, receptor t	7.28
	442492	AA528489	ribosomal protein L23	7.25
65	424541	AW392561	ESTs, Weakly similar to A56194 thromboxa	7.25
	452652	AK001972	hypothetical protein FLJ11110	7.25
	426501	AW043782	ESTs	7.25
	411261	R19774	R19774	7.25
	444670	H56373	Hs.33293B	7.25
	418117	A1922013	hypothetical protein MGC5370	7.25
70	441384	AA447849	linker for activation of T cells	7.24
	434817	AA082118	Homo sapiens cDNA: FLJ22182 fis, clone H	7.24
	419970	AW612022	golli6 protein	7.23
	432200	AK001089	ESTs	7.23
	426547	AA243464	Homo sapiens cDNA FLJ10237 fis, clone HE	7.23
75	433891	AA613792	pre-B-cell leukemia transcription factor	7.23
	454038	X06374	gb:nc097h03.s1 NCI_CGAP_Pz2 Homo sapiens	7.21
	430314	AA359601	platelet-derived growth factor alpha pol	7.21
	443247	BE814387	pre-B-cell colony-enhancing factor	7.20
	441224	AU076964	c-Myc target JPO1	7.20
80	447188	H65423	calumenin	7.18
	447887	AA114050	hypothetical protein DKFZp434E2135	7.18
	447341	AF105841	caspase 8, apoptosis-related cysteine pr	7.15
	408113	T62427	amelin, beta 2	7.15
			Homo sapiens cDNA: FLJ20869 fis, clone A	7.14

418696	AW959433	Hs.326290	hypothetical protein FLJ12581	7.14	
434699	AA643687	Hs.149425	Homo sapiens cDNA FLJ11980 fts, clone HE	7.13	
421633	AF121860	Hs.106260	sorting nexin 10	7.10	
410668	BE379794	Hs.159651	hypothetical protein	7.09	
5	435812	AA700439	ESTs	7.08	
	414476	AA301867	EGF-containing fibulin-like extracellular	7.08	
	408331	NM_007240	dual specificity phosphatase 12	7.08	
	417165	R80137	Homo sapiens cDNA: FLJ21425 fts, clone C	7.06	
10	408605	AF025374	Hs.46465	7.06	
	416401	N80139	Hs.268916	ESTs	7.05
	415799	AA653718	Hs.225841	DKFZp434D193 protein	7.05
	416995	NM_004573	NIM_004573	phospholipase C, beta 2	7.05
	414812	X72755	Hs.77367	monokine induced by gamma interferon	7.05
15	417535	AA203569	Hs.191482	ESTs	7.04
	449567	AI990790	Hs.188614	ESTs	7.03
	429355	AW973253	Hs.292689	ESTs	7.03
	442460	NM_014135	Hs.8345	PRC0641 protein	7.03
	453187	AI161383	Hs.34549	ESTs, Highly similar to 594541 1 clone 4	7.03
20	430280	AA361258	Hs.237888	Interleukin 7 receptor	7.03
	426124	AI268389	Hs.250697	phosphatidylinositol glycan, class F	7.02
	442685	AB033017	Hs.6594	KIAA1191 protein	7.01
	433735	AA608956	Hs.109853	ESTs	7.00
	418003	X98001	Hs.78948	Rab geranylgeranyltransferase, beta subu	6.98
25	424415	NM_001975	Hs.146580	enolase 2, (gamma, neuronal)	6.96
	416655	AW988613	Hs.79428	BCL2/adenovirus E1B 19kD-interacting pro	6.95
	409956	AW103364	Hs.727	inhibin, beta A (activin A, activin AB a	6.95
	407136	T64896	Hs.287420	Homo sapiens cDNA FLJ11533 fts, clone HE	6.93
	425235	AA353113	Hs.112497	Homo sapiens cDNA: FLJ22743 fts, clone H	6.93
30	451653	W18193	ESTs, Moderately similar to HERC2 [H.sap	6.93	
	439444	AI277652	Hs.54578	ESTs, Weakly similar to I38022 hypothesis	6.93
	451838	AW005866	Hs.193969	ESTs	6.91
	438812	AW298057	gb:UH-BW0-esp-g-09-0-ULs1 NCI_CGAP_Su	6.90	
	443749	R38828	Hs.143463	ESTs	6.90
35	434584	DS7341	Hs.188361	Homo sapiens cDNA FLJ12807 fts, clone NT	6.90
	427919	AA173942	Hs.326416	Homo sapiens mRNA; cDNA DKFZp584H1916 (f	6.90
	431840	AA534908	Hs.2860	POU domain, class 5, transcription facto	6.90
	435655	AW105663	Hs.6947	HSPC069 protein	6.90
	427640	AF058293	Hs.180015	D-dopachrome tautomerase	6.85
40	418259	AA215404	ESTs	6.85	
	407244	M10014	fibronogen, gamma polypeptide	6.85	
	418832	X04011	Hs.88974	cytochrome b-245, beta polypeptide (chlor	6.83
	441321	H17182	Hs.7771	B-cell associated protein	6.80
	433162	AI025842	ESTs	6.80	
45	425410	AA310974	Hs.156828	Homo sapiens cDNA FLJ10522 fts, clone NT	6.80
	434372	AA631373	gb:np86c01e1 NCI_CGAP_Thy1 Homo sapiens	6.80	
	456629	AW891965	histone deacetylase 3	6.78	
	430283	BE391688	RAB7, member RAS oncogene family	6.77	
	418300	AI433074	Hs.86682	Homo sapiens cDNA: FLJ21578 fts, clone C	6.76
50	406858	AI065720	Hs.29797	ribosomal protein L10	6.75
	429582	AI569068	Hs.22247	ESTs	6.75
	401113		solute carrier family 22 (organic cation	6.75	
	449576	AW014631	Hs.225068	ESTs	6.75
	432688	X92715	Hs.3057	zinc finger protein 74 (Cox52)	6.72
55	417558	AF045229	Hs.82280	regulator of G-protein signalling 10	6.72
	430451	AA836472	Hs.297939	cathepsin B	6.72
	410503	AW975746	Hs.188652	KIAA1702 protein	6.70
	415682	AI347128	Hs.181870	ESTs	6.70
	410102	AW248508	Hs.279727	ESTs; homologue of PEM-3 [Ciona savignyi	6.70
60	414217	AI309298	Hs.279898	Homo sapiens cDNA: FLJ23165 fts, clone L	6.70
	457073	AA233210	Hs.179943	ribosomal protein L11	6.69
	442232	AI357813	Hs.337460	ESTs, Weakly similar to A47582 B-cell gr	6.68
	436137	AI055769	Hs.133512	ESTs	6.68
	425787	AA363867	Hs.155029	ESTs	6.67
65	437802	AI475995	Hs.122910	ESTs	6.65
	432636	AA340864	Hs.278562	claudin 7	6.65
	407340	AA810168	Hs.284289	vitiligo-associated protein VIT-1	6.65
	418036	Z37876	Hs.833937	latent transforming growth factor beta b	6.65
	423494	AW504365	Hs.24143	Wiskott-Aldrich syndrome protein Interac	6.63
	441355	AI822034	Hs.137097	ESTs	6.63
70	430968	AW972830		gb:EST384925 MAGE resequances, MAGL Homo	6.63
	434551	BE387162	Hs.280858	ESTs, Highly similar to A35661 DNA excis	6.63
	447232	AW499834	Hs.327	Interleukin 10 receptor, alpha	6.62
	422310	AA316622	Hs.98370	cytochrome P450, subfamily IIIS, polypept	6.60
	449217	AA278536	Hs.23262	ribonuclease, RNase A family, k6	6.60
	449057	AB037784	Hs.22941	KIAA1363 protein	6.60
	446979	AI654443	Hs.197683	ESTs	6.60
	452382	N38902	Hs.211539	hypothetical protein MGC4248	6.60
	424868	AI568170	Hs.96886	ESTs	6.59
75	409485	S80990	Hs.252136	ficolin (collagen/fibrinogen domain-cont	6.58
	451603	BE379499	Hs.173705	Homo sapiens cDNA: FLJ22050 fts, clone H	6.58
	426158	NM_001982	Hs.199087	v-erb-b2 avian erythroblastic leukaemia v	6.58
	452472	AW957300	Hs.294142	ESTs, Weakly similar to C55863 oligodend	6.57
80	450256	AA286887	Hs.24724	MFH-amplified sequences with leucine-rho	6.56

451589	AA124791	Hs.5734	mesangioma expressed antigen 5 (hyaluron carboxypeptidase D (lysosomal aspartyl protease	6.56
444207	AI585004		ESTs	6.55
418459	RF5436	Hs.268814		6.55
5	427667	AK001279	Hs.180171 Homo sapiens cDNA FLJ10417 fis, clone NT	6.55
	406745	AW511970	Hs.279860 tumor protein, translationally-controlled	6.55
	446173	BE556849	Hs.14158 copine III	6.53
	436566	BE545586	Hs.278712 Homo sapiens cDNA FLJ11074 fis, clone PL	6.53
	423825	NM_004402	Hs.133089 DNA fragmentation factor, 40 kD, beta polypeptide	6.53
10	443441	AW291196	Hs.92195 ESTs	6.51
	428403	AI393048	Hs.326159 leucine rich repeat (in FLII) interactor	6.50
	431971	BE274907	Hs.77385 myosin, light polypeptide 6, alkali, smo	6.50
	450219	AI826999	Hs.224624 ESTs	6.50
	408896	AI610447	Hs.48778 nNan protein	6.50
	442618	RS6222	Hs.26514 ESTs	6.49
15	422773	AB028962	Hs.301552 KIAA1039 protein	6.48
	413663	BE247585	Hs.75462 BTG family, member 2	6.48
	418805	BE539574	actinin, alpha 4	6.48
	405086		NM_0086624: Homo sapiens Smf2-related CBP doublecorin and CaM kinase-like 1	6.45
20	448520	AB002367	Hs.21355 hypothetical protein FLJ23556	6.45
	407284	AI539227	Hs.214039 Homo sapiens cDNA FLJ10768 fis, clone NT	6.45
	447296	AW243614	Hs.18053 Homo sapiens cDNA FLJ13518 fis, clone PL	6.43
	443063	AA878183	Hs.17448 KIAA0061 protein	6.43
	426496	D31765	Hs.170114 hypothetical protein FLJ22405	6.42
25	422303	AW410382	Hs.27556 ESTs, Moderately similar to unknown (Hs	6.41
	440119	AA865455	Hs.125331 ESTs, Moderately similar to I38022 hypot	6.40
	451658	AW195351	Hs.250520 growth differentiation factor 3	6.38
	435918	AF263598	Hs.66232 hypothetical protein FLJ10430	6.38
	439979	AW800291	Hs.6823 chromodomain helicase DNA binding protein	6.38
30	412220	BE350058	Hs.36787 gba:009_05.x1 NC1_CGAP_Kd11 Homo sapien	6.38
	436716	AI433540	Hs.19762 ESTs, Weakly similar to KIAA1140 protein	6.38
	413703	BE158360	Hs.73737 ESTs	6.38
	413326	H88621	Hs.19762 ESTs	6.38
	441970	AW959918	Hs.73737 ESTs	6.38
35	430835	AI240006	Hs.192326 ESTs	6.38
	414890	BE281095	Hs.77573 uridine phosphorylase	6.37
	418113	AI272141	Hs.83484 SRY (sex determining region Y)-box 4	6.37
	414768	AW376989	Hs.259855 elongation factor-2 kinase	6.36
	422340	AW296219	Hs.115325 RAB7, member RAS oncogene family-like 1	6.36
	407198	H91679	Hs.2488 gbyw04s07.s1 Scores fatal liver spleen	6.35
40	432586	AA558548	ESTs	6.35
	432729	AK000292	Hs.130732 hypothetical protein FLJ20285	6.35
	420012	AW957965	Hs.99014 Homo sapiens, clone IMAGE:3632168, mRNA	6.35
	432879	AW815932	Hs.173734 ESTs, Weakly similar to ALU1_HUMAN ALU S	6.35
	429732	U20158	Hs.2488 lymphocyte cytosolic protein 2 (SH2 domain	6.35
45	416082	AA160000	Hs.137396 ESTs, Weakly similar to JC5238 galactosy	6.35
	437298	AA350994	Hs.20281 KIAA1700	6.35
	427747	AW411425	Hs.180555 serine/threonine kinase 12	6.33
	445873	AA250370	Hs.251946 poly[A]-binding protein, cytoplasmic 1-1	6.33
	410387	AI277367	Hs.47094 ESTs	6.33
50	413677	AW503116	Hs.301819 zinc finger protein 146	6.31
	418458	AA332941	Hs.85226 lPase A, lysosomal acid, cholesterol est	6.31
	443634	H73972	Hs.134460 ESTs	6.30
	409453	AI885516	Hs.95612 ESTs	6.29
55	443035	Z45822	Hs.8906 Homo sapiens clone 24889 mRNA sequence	6.29
	432841	M93425	Hs.62 protein tyrosine phosphatase, non-recept	6.29
	410532	T53088	Hs.155376 hemoglobin, beta	6.28
	428453	AB011110	Hs.184367 GTPase activating protein-like	6.27
	410597	W16518	Hs.279518 amyloid beta (A4) precursor-like protein	6.26
60	458965	AA010319	Hs.60389 ESTs	6.25
	419926	AW900992	Hs.93798 DKFZP586D2223 protein	6.25
	426797	AW993268	Hs.342649 ADP-ribosylation factor-like 5	6.25
	412528	AI123478	Hs.32112 ESTs	6.25
	410079	U94562	Hs.58589 glycogenin 2	6.25
65	427477	AW973119	Hs.178391 ribosomal protein L44	6.24
	416297	AA157634	Hs.79172 solute carrier family 25 (mitochondrial	6.24
	435961	BE293127	Hs.283722 GT11 protein	6.23
	424030	X99699	Hs.139262 XIAP associated factor-1	6.23
	428311	NM_005651	Hs.183671 tryptophan 2,3-dioxygenase	6.23
70	451061	AW291487	Hs.213859 ESTs, Weakly similar to KIAA1357 protein	6.23
	409731	AA125985	Hs.56145 thymosin, beta, identified in neuroblast	6.23
	440129	AA865818	ESTs, Weakly similar to S71886 Sta20-like	6.22
	428773	BE258238	Hs.193163 bridging integrator 1	6.20
	436972	AW972301	Hs.310286 ESTs	6.19
75	440719	AA150869	Hs.25267 ATP-dependent Interferon response protein	6.18
	406685	M18728	gb:Human conspecific crossreacting antigen	6.18
	421305	BE397354	Hs.324830 diphtheria toxin resistance protein requi	6.17
	450988	BE618571	Hs.429 ATP synthase, H ⁺ transporting, mitochondrial	6.16
	458659	AW749895	Hs.332520 Homo sapiens mRNA; cDNA DKFZp434A1014 (f	6.15
	406805	AW088535	ribosomal protein, large, P0	6.15
80	420151	AA255931	Hs.186704 ESTs	6.14
	413441	AI929374	Hs.75367 Src-like-adapter	6.13
	449317	AW293413	Hs.132906 19A24 protein	6.13
	421568	W85858	Hs.99804 ESTs	6.13

435919	AI052189	Hs.114104	ESTs	6.13
417353	AA375752	Hs.348140	Homo sapiens mRNA; cDNA DKFZp6B6F1822 (f)	6.13
448946	AI652656	Hs.23363	hypothetical protein FLJ10983	6.13
5	432415	T16971	ESTs, Weakly similar to A43932 mucin 2 p	6.13
	406857	AA613726	ribosomal protein L10	6.11
	417944	AU077196	collagen, type V, alpha 2	6.11
	425096	AW014160	KIAA1276 protein	6.10
	435756	AI418465	Hs.33665	6.10
10	431155	AW871213	gb:EST383301 MAGE resequences, MAC1. Homo	6.10
	413813	M86956	teratocarcinoma-derived growth factor 1	6.10
	451052	AA281504	Homo sapiens cDNA: FLJ2165 hs, clone H	6.10
	450511	R07423	thyroid hormone receptor interactor 11	6.08
	447832	AI433357	ESTs	6.08
	434421	AI915927	ESTs	6.08
15	437438	AL359620	hypothetical protein DKFZp762P2111	6.08
	449625	NM_014263	odz (odd Oz/zen-m, Drosophila) homolog 1	6.08
	415912	H08859	ESTs, Weakly similar to ALU6_HUMAN ALU S	6.07
	433339	AFO19226	glioblastoma overexpressed	6.06
	455511	AA683336	ESTs	6.06
20	423458	AI204212	ESTs	6.06
	442379	NM_004613	transglutaminase 2 (C polypeptide, prote	6.06
	457211	AW972565	ESTs, Weakly similar to S51797 vasodilat	6.06
	444621	AA298065	glutathione-S-transferase like; glutath	6.06
	455263	AW961702	Homo sapiens cDNA FLJ14028 fis, clone HE	6.05
25	432925	AA878324	ESTs	6.05
	457752	AI821270	Homo sapiens cDNA FLJ14384 fis, clone HE	6.05
	449810	AA038881	actinin A receptor, type IIb	6.04
	405797	AI432224	ribosomal protein L6	6.04
	450157	AW961576	ESTs	6.03
30	422134	AW179019	mitochondrial ribosomal protein L42	6.03
	407635	AW370213	ESTs, Moderately similar to A46010 X-lin	6.03
	453331	A1240665	ESTs	6.03
	430504	H52761	Homo sapiens, clone MGC:12617, mRNA, com	6.02
	444708	AW971049	protein (peptidyl)-prolyl cis/trans isom	6.01
35	409945	AW015935	ESTs	6.00
	419641	BE170548	Homo sapiens cDNA: FLJ21081 fis, clone C	6.00
	453785	AI368236	ESTs, Moderately similar to ALU1_HUMAN A	6.00
	430387	AW372884	nuclear cap binding protein subunit 2, 2	6.00
40				
		TABLE 52B		
		Pkey: Unique Eos probeset identifier number		
		CAT number: Gene cluster number		
		Accession: Genbank accession numbers		
45				
		Pkey	CAT Number	Accession
	438091	22448_1	AK054880 AV652198 AV652192 AV652138 AV652127 AV652194 BE935919 AV652017 AV651995 AV651548 AV646053 AV651985 AV646184	
50				AV646178 AW860409 AA345002 BF155189 BE068931 X56197 AL603014 AW953629 BM263546 BE650772 AA701084 AI681352 AA358689
				AW93841 BF438147 AI50591 H75313 8F326185 AV646335 AV651598 AV646340 AV646344 AV646364 AV687497 BF155183
				AV646370 AW797876 AI906821 X50186 BE833835 BE824840 BE833808 BF22405 AA709126 BE73807 AI923886 AA947932 A1276125 AI185720
				AW510898 AA907230 BE467701 AW898628 AW898544 AI146844 AW043642 A1288245 AI196932 AI635262 AI139455 AI238739 AI813854
				AI024768 BE69945 BE689444 AA68944 AA707807 D52654 AI214518 AI04723 A1698270 AW087420 AI565133 AA845571 AW898622 BF110144 AW513280
55				AI051126 BF362770 AI258939 AI435818 BF475318 AI024767 BE174213 AA757598 AA513019 AA02959 AI867094 AI334784 BF108411
				BM310532 AW513771 AI951391 AI337671 BF095606 BF095601 BF095466 AW890091 BF095753 AW243400 AW898607 AW898616 BF362762
				AI922204 AW898625 BE699458 BE174196 A102923 D52715 BE699458 D52477 D55017 BF795933 BG623563 AV646254 AA463522 BI0103244
				AI299100 W40188 BE174210 8F339091 BF434180 AW579001 T65662 BI01111 TS2522 BF7945037 8F855938 D54678 D53933 R67100 BC925552
				BF899056 R83430 229922 T85791 W03942 H83269 AI091637 BF086583 AA345570 H48870 H80720 T83523 BI039626 BI037700 R00353
				BF165184 N98343 N97072 H01812 T55581
60	426295	510_1	BE880823 BG390191 AW470082 AW014585 AI23255 BI714731 BG054894 AW780248 N31683 AI664132 AW467369 AI983152 AA617918	
				BF447795 AI088357 AA807328 AA567690 AI741153 AI755003 AI474016 AI422030 AI348114 AW970805 BM271753 AI363147 BM311311 AI146540
				A1246771 AI512619 AI359020 BG054897 AI292234 AI215830 AI283836 C06205 BM053423 AW72680 N33205 AW873021 AA070724 AI753895
				AIW19467 AI087151 AA689099 AI346368 AI335677 AA825442 AW44006517 AI513210 AI082314 AI085455 BE551404 AA780704
				AW008596 AI798964 AA917471 AI400531 AI686862 N72207 AI306482 AW405652 AI084687 AA347280 AA063595 BF477389 AI241662 AA931543
65				AA844310 AA812486 AI032216 AA655779 AI916336 AI305690 BF198106 AI33377 AI300638 AI672626 AI282741 AI351487 AW105544 AA973627
				AW517914 AA715424 AA058454 BM334082 AI274618 AW367201 AW572619 AW179088 BE190908 AA382095 AI363864 AI146934 AI357180 BE932941
				BI911347 BI871044 AA136325 BF084007 BF084007 AA335788 AI0920878 AA096614 BE932941 C1578261 C75308 AI148479 BE178174 W88513
				BM013627
70	429978	35194_2	BE738425 BE738323 BM126944 AW825978 AW265195 AI916735 AI394255 AI573090 AI554442 AW612857 AI339558 AI919424 AI377532	
				AI354441 AI308821 AA772725 AW655215 AI589705 AI336532 AA805547 AV682125 H83575 AW71172 AW768904 AI863985 AW265018
				AW196655 D78662 BE042393 N75017 AW014741 C75509 BE746321 H24231 AW079261 AW801780 AA329482 AW960115 BI260621 AI767525
				R21663 BI9118664 AW953186 C06195 AI678018
75	412636	143B_1	M77830 NM_004415 AF139068 BG681115 BG6740377 BI712964 BG000656 AA128470 BI438324 H27408 BE931630 BE167165 AW370827	
				AW78013 J05211 BG698865 BG740734 BG660618 BG739778 BI765807 BM353403 BM353248 AW177784 AW205789 AW981578 AW848592
				BE182164 BF140266 BE940187 BI060445 BI060444 BF350983 BE720069 BE715154 BE082584 BE082576 BE040407 AA857316
				BI039774 BE713818 BE713548 AI170263 BE160433 BI039775 AW886475 BM462504 BE931734 BF149264 AA340777 BF381183 BG621737
				AU127260 AW364859 BF939352 BG223489 BE819009 BF381184 BE715956 R58704 AA852212 AW366586 BI090368 BF087707 BE819046
				BE819006 AA377127 BE073467 BE819059 BE819048 BI036306 BG990973 BI040954 BF191911 AU140155 AI951766 AI434518 AW804674
				BF752969 BE837009 BE925826 BF149265 AW995615 BE814264 BI039782 AU140407 BE144243 BE709853 BF985642 BE001923 BF933510
80				AW265328 BG436319 BE182168 AW365175 AW847688 BE818284 AW177933 BF873675 AW17800 BE092526 BF476861 BF086994 BF592276
				BE082507 BE082514 BE082505 BF873693 AW068840 AW847678 BF804153 AW365157 BE813930 BE002030 AW365153 BE184941 BF749421
				BE184920 BF839562 BE184933 BF842254 BE698470 BE831048 BF999889 BF368816 BE1B4924 BE159646 BE714632 BE184948 BG985845
				AA131128 AA099891 W39488 C04715 BF096124 BE865341 AW799304 AL603116 BE149760 BE705967 BE705986 AW848723

AW376699 AW376817 AW376897 BG005097 BF751115 BE696084 AW848371 AW376782 AW848789 AW849074 AW361413 BF927725 BF094211
AW997139 BE865474 BE185187 BE156621 BE715089 BE713297 BE713298 BE179915 AW793309 BF73245 BF088676 BE705939 AW752599
BG005197 BF350086 BE715196 BE715155 BF752396 BF093817 BF831190 BF752409 BE006561 BG959922 BF094833 BF094748 BF094583
AW377699 AW607239 BE082519 AW377700 BF349467 AI190590 AI654403 AI39226 AI158477 BI457252 AU159919 AI760816 BF082516
AI439101 AA451923 AI340326 AI530975 BI731553 AI700953 AI142882 AA039975 AA046936 AA644381 BM314884 AA702424 AI17612
AIW190555 AI220573 AI304772 AI270345 AI627383 AA552300 AI911702 AW166207 AI346078 W95070 AA149191 AA026064 AI830049 AW7B0435
AI078449 AI811984 AI858282 BI468581 AI605084 AI025932 AA026047 AI703232 AA658154 AA515500 AW192085 AA918281 T77861 AI927207
AI205263 BF082491 AW021347 AI568096 BE939862 AA088866 D12062 AA056827 AA782109 W19267 W02156 AW150038 AA022701 T87181
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15			BG015794 BE158357 BE158353 BE158359 BE158380 BE158352 BE158351 BE158355		
20			BC0122881 AU150944 BG750783 AW754175 AW857737 AI911659 AI050036 AA554053 AI826259 AA568548		
25	436716 419703 432586 440129 406685 406806	2472838_1 3/6077_1 6633_1 2607862_1 0_0 0_0	AI732997 AA977633 AA865818 AW088535 AI889321 AA954221 AI337552 R42581 AW194670 AA064862 AW001147 AA864374 AA630699 AW276176 AA676815 AA857965 AI625428 AA580792 AA582038 AA581668 AA858065 AA828158 AA857160 AA936103 AI149335 AA936295 AA581684 AA954198 AW238461 AI281504 AI265812 AA583267 AW236162 AA876635 AW304286 AW744334 AI559415 AI589241 AI650952 AA641137 AI431896 AI688844 AA552513 AA564954 AW090553 AI205612 AI245753 AA954883 AA947909 AI866014		
30	431155 447832 449625	1235742_1 1036795_1 249224_1	AW971213 AA493925 AA493567 AA876839 AA934462 AI628543 AI433357 AW772732 B1918168 AW779760 N46574 AI375997 AA235370 BG699146 AI913631 AI498402 AI016320 AA323193 R49021 D59344 BG986760 N45526		
35	423458	30480_1	BC018070 BG702493 AI204212 AA460929 AA99806 BF926835 AA226938 BG190702 BG188496 AW291865 BG183340 BG195301 BG214539 BG215094 BG198867 BG195332 BG208220 BG212418		
40	455263	26143_1	BG216963 BG164885 BG213710 BG204771 BG193014 BG197556 BG217481 BG198185 BG183594 BI596425 AA115605 AI588156 BF439839 BG188832 AI359015 BG190473 AI024233 BF439574 AW118065 AI672797 AA610042 BG212008 AI204382 R70913 AA03534 AA781036 AI627278 AA307285 AA1034218 BG482749 AW162429 BI602480 AA721969 AA476518 AA476416 AA903019 BF110864 AA307286 AA115471 AW964555		
45	406797 453331	0_0 16559_1	AA42326 AA115129 AI419107 AI432224 AW276890 AI49346 AA97014 AA65373 AI318525 AI246219 AA861591 AI270640 BG571303 AA410586 AA036018 BG572117 BG620022 AA147247 BG005785 BG014448 R21981 H02868 H12498 R36203 BF992089 R73999 T49804 R75732 BI057974 T53681 AA147933 N50695 R68588 R25671 R31935 R25110 R36105 AK055628 BE157467 AW663874 AA109093 H01642 BF510304 AA626915 AA745952 AI161014 AA09554 BG572534 AI803329 AI809392 AI808765 AA411449 AI378760 AA976929 AI376520 AA909884 BI056066 BG001590 BF107035 BF895917 BI056322 AI360019 AI350463 AW089127 AA411621 AA742532 H12451 BE208298 H03612 H12839 N58781 R75957 BF996484 AI240665		
50	430504	5477_6	BE219720 BF475241 AI517123 BE219848 BI788268 AI224899 AA724864 AW771457 AA480255 AW845616 AI440295 H52800 BE218790 AI681575 AW300064 AW262133 H21568 AI363015 AI848914 H6948		
55			TABLE 52C Pkey: Unique number corresponding to an Eos probaset Ref: Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) <i>Nature</i> 402:489-495. Strand: Indicates DNA strand from which exons were predicted. Nt_position: Indicates nucleotide positions of predicted exons.		
60	402474 402145 401091 401466 406542 401113 405086	7547175 8016280 9958240 6682292 7711499 9966541 8072609	Strand Minus Plus Plus Plus Plus Minus Plus Nt_position 53526-53628,55755-65920,57530-57757 113086-114800 94760-94698 28748-29203 117335-118473 19419-19959 73664-73841,74081-74217,74610-74779,7492		
65					
70			TABLE 53A: Pkey: Unique Eos probaset identifier number ExAccn: Exemplar Accession number, Genbank accession number UnigeneID: Unigene number Unigene Title: Unigene gene title R1: Ratio of testicular cancer (non-seminomatous and seminomatous) compared to normal adult tissues		
75					
80	432666 452438 418696 432730 450581	AW204089 U65011 AW959433 AI065620 AF081513	Hs.30743 Hs.325290 Hs.131358 Hs.26195	ESTs, Weakly similar to unnamed protein preferentially expressed antigen in melanoma hypothetical protein FLJ12581 ESTs TGF-beta 4	R1 76.20 75.45 58.80 51.80 48.40

426534	U58096	Hs.2051	testis specific protein, Y-linked	44.05	
423458	AI204212		ESTs	36.60	
428664	AK001666	Hs.189095	similar to SALL1 (sal (<i>Drosophila</i>)-like	34.65	
420367	AA259090	Hs.257028	ESTs	32.60	
5	451105	BE382701	Hs.25960	N-MYC oncogene	30.10
	437052	AA861697	Hs.120591	ESTs	29.35
	417407	AA923278	Hs.290905	ESTs, Weakly similar to protease β H-sepi	29.05
	420759	T11832	Hs.127797	Homo sapiens cDNA FLJ11381 fis, clone HE	28.45
10	420347	ALD33539	Hs.97124	Human DNA sequence from clone RP1-309H15	28.25
	407710	AW022727	Hs.23616	ESTs	26.86
	446981	AI968719	Hs.195387	ESTs	26.40
	429486	AF155827	Hs.203963	hypothetical protein FLJ10339	25.55
	420628	AF130728	Hs.98586	doublesex and mab-3 related transcriptio	25.10
15	425769	U72513	Hs.159486	Human RPL13-2 pseudogene mRNA, complete	23.70
	430252	AI638774	Hs.105328	testes development-related NYD-SP20	21.95
	454077	AC005952	Hs.37062	insulin-like 3 (Leydig cell)	21.73
	428227	AA321649	Hs.2248	small inducible cytokine subfamily B (Cy	20.15
	434649	AA738254	Hs.165380	ESTs, Highly similar to A40350 transcript	19.65
	424578	AK001973	Hs.150890	hypothetical protein	19.16
20	427335	AA446542	Hs.251677	G antigen 7B	19.05
	438915	AA280174	Hs.285681	Wilfens-Beuren syndrome chromosome regi	18.95
	432938	T27013	Hs.3132	steroidogenic acute regulatory protein	18.86
	449322	AI638616	Hs.198586	ESTs	18.30
25	430591	C14187	Hs.157208	aristaless-related homeobox protein ARX	18.00
	430676	AF084866		gb:Hom sapiens envelope protein RIC-3 (	17.96
	440119	AA855455	Hs.125331	ESTs, Moderately similar to unknown [Hs	17.41
	418756	AA252254	Hs.226949	ESTs	17.20
	410102	AW248508	Hs.279727	ESTs; homologue of PEM-3 [Ciona savignyi	16.20
30	447534	AW953935	Hs.288655	ESTs	16.04
	407122	H20276	Hs.31742	ESTs	15.95
	446979	AI654443	Hs.197683	ESTs	15.90
	406547			Target Exon	15.70
	427711	M31659	Hs.180408	solute carrier family 25 (mitochondrial	15.65
35	456847	AI380456	Hs.37776	ESTs	15.50
	448776	BE302464	Hs.30057	MRS2 (<i>S. cerevisiae</i>)-like, magnesium hom	15.00
	452291	AF015592	Hs.28853	CDC7 (cell division cycle 7, <i>S. cerevisi</i>	14.95
	408908	BE296227	Hs.250822	serine/threonine kinase 15	14.65
	418007	M13509	Hs.83169	matrix metalloproteinase 1 (interstitial	14.20
	422828	AL133395		prion protein 2 (doublet)	14.08
40	433330	AW207084	Hs.132816	hypothetical protein MGC14801	14.05
	410581	BE540255	Hs.6994	Homo sapiens cDNA: FLJ22044 fis, clone H	14.05
	427667	AK001279	Hs.180171	Homo sapiens cDNA FLJ10417 fis, clone NT	13.90
	418134	AA397769		ESTs	13.85
45	454438	AA224053	Hs.172405	cell division cycle 27	13.70
	449032	AA045573	Hs.22900	nuclear factor (erythroid-derived 2-)-lik	13.40
	426427	M86599	Hs.169840	TTK protein kinase	13.35
	437768	AI581344	Hs.127812	ESTs, Weakly similar to T17330 hypothal	13.20
	419384	AA490866	Hs.39429	ESTs	13.10
50	418477	AW022983		gb:Rf46h12.y1 Morton Fetal Cochlea Homo	12.85
	453922	AF053308	Hs.36708	budding uninhibited by benzimidazoles 1	12.80
	447188	H65423	Hs.17631	hypothetical protein DKFZp43A1315	12.78
	430521	NM_016383	Hs.242183	HOM-TES-85 tumor antigen	12.72
	443068	AI188710		ESTs	12.65
55	437099	N77703	Hs.48659	ESTs, Highly similar to S1445B laminin a	12.60
	420401	AK001907	Hs.97484	hypothetical protein	12.50
	410361	BE391804	Hs.62661	guanylate binding protein 1, interferon-	12.50
	431494	AA991355	Hs.298312	hypothetical protein DKFZp43A1315	12.45
	406937	U14622		gb:Human transketolase-like protein gene	12.25
	439451	AF086270	Hs.278554	heterochromatin-like protein 1	12.10
60	404986			Target Exon	11.86
	424505	NM_002497	Hs.153704	NIMA (never in mitosis gene a)-related k	11.85
	444619	BE538082	Hs.8172	ESTs, Moderately similar to A46010 X-in	11.60
	434551	BE387162	Hs.280858	ESTs, Highly similar to A35661 DNA exci	11.55
	421241	X91817	Hs.102866	transketolase-like 1	11.50
65	414972	BE263782	Hs.77695	KIAA0008 gene product	11.45
	426886	U02330	Hs.172816	neuregulin 1	11.37
	433159	AB035898	Hs.150587	kinesin-like protein 2	11.35
	433800	A1034381	Hs.135150	lung type-I cell membrane-associated gly	11.24
	440207	A1371978	Hs.120326	ESTs	11.12
70	407276	A1951118	Hs.326736	Homo sapiens breast cancer antigen NY-BR	11.10
	450142	AW207469	Hs.24485	chondroitin sulfate proteoglycan 6 (barna	11.05
	449576	AW014631	Hs.225068	ESTs	10.95
	414251	AL042306	Hs.97689	VASA protein	10.95
	422956	BE545072	Hs.122579	ECT2 protein (Epithelial cell transformi	10.90
75	436812	AW258067		gb:U1-H-BW0-8p-g-09-0-U1 NCI_CGAP_Su	10.85
	427521	AW973352		ESTs	10.81
	408728	AL137378	Hs.47125	hypothetical protein FLJ13912	10.80
	442832	AW206580	Hs.253569	ESTs	10.62
	436899	AA764852		ESTs	10.60
80	428949	AA442153	Hs.104744	hypothetical protein DKFZp43A0817	10.55
	409731	AA125986	Hs.58145	thyrosoin, beta, identified in neuroblast	10.45
	435206	AI432364	Hs.160594	ESTs	10.15
	433975	AA971953	Hs.122055	ESTs	10.10

448791	AI632278	Hs.195922	ESTs	10.05	
422232	D43945	Hs.113274	transcription factor EC	10.00	
420047	AI476658	Hs.94631	brefeldin A-inhibited guanine nucleotide	9.71	
434334	AA912476	Hs.116750	Homo sapiens cDNA FLJ13221 fis, clone NT	9.50	
5	423673	BE003054	Hs.1695	matrix metalloproteinase 12 (macrophage	9.44
	438188	AA779975	ESTs	9.30	
	418973	AA233056	ESTs	9.25	
	413627	BE182082	intron of Bicaudal D homolog 1	9.25	
10	422659	AW856665	gb:RC3-CT0297-290100-013-d03 CT0297 Homo	9.15	
	436808	AA628980	down syndrome critical region protein DS	9.11	
	434699	AA643687	Homo sapiens cDNA FLJ11980 fis, clone HE	9.08	
	426518	Z43039	KIAA0009 gene product	9.05	
	440968	N36327	gb:yx82b06.r1 Soares melanocyte 2NbHM Ho	9.05	
15	440952	AI291804	ESTs	9.05	
	427489	AA403084	ESTs, Weakly similar to 2103260A B cell	9.05	
	442618	R56222	ESTs	8.96	
	419423	D26488	KIAA007 protein	8.95	
20	428153	AW513143	Hs.98367	8.80	
	438979	AW600291	SRY (sex determining region Y)-box 17 [S	8.76	
	444971	AI651115	hypothetical protein FLJ10430	8.75	
	436513	AJ278110	ESTs	8.60	
	427486	AA974433	DEAD-box protein	8.59	
	415857	AA866115	fibroblast growth factor 4 (heparin secr	8.59	
25	428847	AI954833	Homo sapiens cDNA FLJ11381 fis, clone HE	8.58	
	408465	AW196940	ESTs	8.57	
	443523	AK001575	Hs.9536	8.54	
	440527	AV857117	hypothetical protein FLJ10713	8.53	
	439570	T79925	ESTs, Moderately similar to S65657 alpha	8.50	
	450480	X82125	ESTs, Weakly similar to ALU1_HUMAN ALU S	8.50	
30	425266	J00077	zinc finger protein 239	8.50	
	453884	AA355925	alpha-fetoprotein	8.50	
	413318	AU076807	Hs.36232	8.42	
	430835	AI240006	Inter-alpha (globulin) inhibitor, H2 pol	8.35	
	416859	H43437	ESTs	8.33	
35	423905	AW579960	Hs.135150	8.30	
	407340	AA810168	lung type-I cell membrane-associated gly	8.26	
	449260	AA741180	villino-associated protein VIT-1	8.25	
	430255	AK000703	ESTs	8.25	
	448844	AA581819	Homo sapiens mRNA for KIAA1551 protein,	8.18	
40	431840	AA534908	FCENESH predicted novel cell surface pr	8.17	
	428479	Y00272	POU domain, class 5, transcription facto	8.14	
	426083	AW952712	cell division cycle 2, G1 to S and G2 to	8.14	
	425572	AB011076	ESTs, Weakly similar to AF191020 1 E21G5	8.03	
	410420	AA224053	undifferentiated embryonic cell transcr	7.98	
45	453878	AW964440	cell division cycle 27	7.90	
	430287	AW182459	DC32	7.75	
	453913	AW004683	ESTs, Weakly similar to LEU5_HUMAN LEUKE	7.66	
	421974	AA301270	mutS (E. coli) homolog 2 (colon cancer,	7.65	
	432840	AK001403	gb:EST14192 Testis tumor Homo sapiens cD	7.65	
50	451950	AW292317	hypothetical protein FLJ20530	7.65	
	412265	AA101325	ESTs	7.60	
	435614	AW592804	hypothetical protein FLJ12457	7.59	
	431041	AA490987	ESTs	7.55	
55	432415	T16971	KIAA0704 protein	7.55	
	418830	BE513731	ESTs, Weakly similar to A43932 mucin-2 p	7.51	
	409421	AA199883	Hs.88959	7.38	
	449433	AI672096	ESTs	7.35	
	458570	AW971638	ESTs, Weakly similar to S28650 DNA-bind	7.35	
60	441287	AW293132	TJ6 protein	7.30	
	434509	R76593	ESTs	7.30	
	432239	X81334	gb:yx80c11.r1 Soares placenta Nb2HP Homo	7.25	
	441425	AA933590	matrix metalloproteinase 13 (collagenase	7.25	
	446293	AI420213	homeobox protein from AL590528	7.25	
	414136	AA812434	LIM domain transcription factor LIM-1 (h	7.21	
65	409089	NM_014781	SMC2 (structural maintenance of chromoso	7.20	
	422936	NM_001809	ESTs, Weakly similar to KIAA0203 gene product	7.19	
	441421	AA356792	centromere protein A (17kD)	7.18	
	452226	AA024898	ESTs, Weakly similar to KIAA0203 gene product	7.15	
	435918	AF235538	hypothetical protein FLJ14825	7.15	
70	416661	NM_001949	growth differentiation factor 3	7.14	
	436360	AI952798	E2F transcription factor 3	7.10	
	442950	AI500417	ESTs	7.10	
	415684	D59356	ESTs	7.00	
	448336	RS3848	sorbitol dehydrogenase	7.00	
	453183	AW086185	ESTs	7.00	
	444434	NM_004849	ESTs	7.00	
	422665	AJ011812	APG5 (autophagy 5, <i>S. cerevisiae</i>)-like	6.95	
	437421	AA917052	transcription factor NRF	6.95	
75	428916	AF003001	ESTs	6.95	
	408045	AW138969	telomeric repeat binding factor (NIMA-1	6.94	
	448588	AI970276	ESTs	6.90	
	433764	AW7653676	KIAA1676	6.89	
	439760	AL109588	zinc finger protein RINZF (NM_023929)	6.85	
			gb:Homo sapiens mRNA full length insert	6.85	

449911	AI262106	Hs.12653	ESTs	6.85	
417791	AW955339	Hs.111471	ESTs	6.80	
424085	NM_002914	Hs.139226	replication factor C (activator 1) 2 (40	6.75	
453160	AI263307		H2B histone family, member L	6.75	
5	453392	U23752	SRY (sex determining region Y)-box 11	6.75	
425427	AI652662	Hs.157205	branched chain aminotransferase 1, cytos	6.73	
447254	NM_004153	Hs.17908	origin recognition complex, subunit 1 (y	6.70	
418379	AA218940	Hs.137616	fidgetin-like 1	6.70	
10	407366	AF026942	gb3:Homosapiens cig33 mRNA, partial sequ	6.70	
414618	AI204600	Hs.96978	hypothetical protein MGC10764	6.69	
417153	X57010	Hs.81343	collagen, type II, alpha 1 (primary oste	6.66	
428743	AL080060	Hs.301549	Homosapiens mRNA; cDNA DKFZp564H172 (fr	6.65	
442717	R88362	Hs.180591	ESTs, Weakly similar to T23976 hypothet	6.65	
15	433247	AB040949	KIAA1515 protein	6.65	
430647	AC003682	Hs.127988	ESTs, Weakly similar to Z211_HUMAN ZINC	6.65	
417886	AA214584		ESTs	6.64	
432169	Y00971	Hs.2910	phosphoribosyl pyrophosphate synthetase	6.62	
412637	AL031776		nuclear transcription factor Y, alpha	6.61	
20	426614	AA411925	ESTs	6.57	
457465	AW301344	Hs.301960	DNA replication factor	6.52	
430253	AK001514	Hs.236844	hypothetical protein FLJ10652	6.50	
440601	AA906366		ESTs	6.50	
453116	AI276680	Hs.146086	ESTs	6.50	
436909	AA907120		ESTs	6.50	
25	402199		Target Exon	6.50	
419556	U29615	Hs.91093	chitinase 1 (chitotriosidase)	6.46	
421285	NM_000102	Hs.1363	cytochrome P450, subfamily XVII (steroid	6.41	
438494	AA908578	Hs.130183	ESTs	6.41	
30	418592	X99226	Fanconi anemia, complementation group A	6.40	
408758	NM_003686	Hs.47504	exonuclease 1	6.40	
442671	AI005668	Hs.130673	EST	6.40	
432281	AK001239	Hs.274263	hypothetical protein FLJ10377	6.38	
413833	Z15005	Hs.75573	centromere protein E (312kD)	6.35	
35	424081	NM_005413	Hs.139120	ribonuclease P (30kD)	6.33
441878	AI801669	Hs.127982	ESTs	6.31	
429120	AK001673	Hs.198530	hypothetical protein FLJ10811	6.31	
416221	Z45514	Hs.83775	DICeorge syndrome gene D	6.30	
410166	AK001376	Hs.59346	hypothetical protein FLJ10514	6.30	
421650	AA781795	Hs.122587	ESTs	6.30	
40	453932	AW006303	ESTs, Weakly similar to (define not ava	6.28	
408291	AB023191	Hs.44131	KIAA0974 protein	6.26	
438180	AA808189	Hs.272151	ESTs	6.25	
412026	AA393618	Hs.73073	testis-specific ankyrin motif containing	6.25	
427510	Z47542	Hs.179312	small nuclear RNA activating complex, po	6.20	
45	423642	AW452650	hypothetical protein MGC13204	6.20	
416111	AA033813	Hs.79018	chromatin assembly factor 1, subunit A (	6.18
407300	AI012616	Hs.120769	gb2n43e07.s1 Striagene HeLa cell s3 93	6.12	
426223	AW977812	Hs.130391	ESTs	6.10	
50	445038	AI635444	dJ457N11.1 protein	6.10	
419197	N48921	Hs.143917	KIAA1615 protein	6.09	
453775	NM_002916	Hs.35120	replication factor C (activator 1) 4 (37	6.05	
436902	AW247145	Hs.192729	ESTs	6.05	
429228	AI563633		ESTs	5.99	
55	457065	AI476318	Hs.192480	ESTs	5.90
428572	AB037783	Hs.176623	hypothetical protein FLJ11183	5.90	
449132	BE045641	Hs.197573	ESTs	5.90	
432359	AA076049	Hs.274415	Homo sapiens cDNA FLJ10229 fts, clone HE	5.89	
423729	AW891294	Hs.132136	adult carter family 4, sodium bicarbon	5.85	
60	457289	AW573204	ESTs	5.85	
433849	BE465884	Hs.280728	ESTs	5.85	
412642	BE244598	Hs.809	hepatocyte growth factor (hepatopoietin A;	5.85	
438450	AI050866	Hs.65863	nodal, mouse, homolog	5.81	
428301	AW628666	Hs.98440	ESTs, Weakly similar to I38022 hypothet	5.80	
65	408750	BE294069	Hs.93581	hypothetical protein FLJ10512	5.77
415947	UD4046	Hs.78934	mutS (E. coli) homolog 2 (colon cancer,	5.77	
408460	AA054726	Hs.285574	ESTs	5.75	
442461	AW062564	Hs.285833	Homo sapiens cDNA: FLJ22135 fts, clone H	5.75	
416747	AW876523	Hs.15929	hypothetical protein FLJ12910	5.75	
428249	AA130914	Hs.183291	zinc finger protein 268	5.74	
70	419635	NM_005033	Hs.91728	polymyositis/scleroderma autoantigen 1 (5.72
402145			Target Exon	5.71	
447178	AW594641	Hs.192417	ESTs	5.70	
458814	AI496957	Hs.170861	ESTs, Weakly similar to Z195_HUMAN ZINC	5.65	
442980	AA857025	Hs.8878	Kinesin-like 1	5.65	
75	419131	AA406293	ESTs	5.60	
450254	NM_004985	Hs.99231	neuropeptide G protein-coupled receptor,	5.60	
441627	AA947552	Hs.58086	branched chain aminotransferase 1, cytos	5.60	
440304	BE159984	Hs.125395	ESTs	5.60	
80	440553	AA889416	Homo sapiens cDNA FLJ14459 fts, clone HE	5.58	
442333	AI650877	Hs.129302	ESTs	5.58	
453941	U39817	Hs.36820	Bloom syndrome	5.57	
415789	AA653718	Hs.225841	DKFZP434D193 protein	5.57	
413623	AA825721	Hs.246973	intron of Bicaudal D homolog 1	5.55	

427147	AA398587	Hs.97414	ESTs	5.55
451050	AW837420	Hs.200866	ESTs	5.55
450113	AI683098	Hs.167379	ESTs, Moderately similar to ALU7_HUMAN A cancer/testis antigen (NY-ESO-1)	5.54
418678	NM_001327	Hs.168465	ESTs, Weakly similar to O4HUD1 debrisoquine	5.53
5	437812	AI582291	DNA (cytosine-5-)-methyltransferase 3 bs	5.51
	431354	BED46956	ESTs	5.50
	449592	AI655494	Hs.195718	ESTs
	445517	AF208855	Hs.12830	hypothetical protein
	416668	U03272	Hs.79432	fibrillin 2 (congenital contractual arachnodactyly)
10	430044	AA464510	Hs.152812	ESTs
	437036	AI571614	Hs.133022	ESTs
	423006	U29700	Hs.123014	anti-Mullerian hormone receptor, type II
	409103	AF251237	Hs.112208	XAGE-1 protein
	420900	AL045833	Hs.44269	ESTs
15	437257	AI283085	Hs.290931	ESTs, Weakly similar to YFJ7_YEAST HYPOT
	440738	AI004650	Hs.226574	WD repeat domain 8
	412723	AA648459	Hs.335951	hypothetical protein AF301222
	441122	Hs6777	Hs.121084	eppin-3
20	414151	AW976468	Hs.257245	ESTs
	435663	AI023707	Hs.134273	ESTs
	448986	H42169	Hs.347310	hypothetical protein FLJ14627
	433701	AW445023	Hs.15155	ESTs
	443486	NM_003428	Hs.9450	zinc finger protein 84 (HPF2)
25	440842	AA807288	Hs.130173	ESTs
	432407	AA221036	Hs.13273	gb:zr03f12.r1 Stratagene NT2 neuronal pr
	401837		NM_025105:homo sapiens hypothetical protein	5.34
	423739	AA398155	Hs.97600	ESTs
	424315	AW614850	Hs.193384	putative 28 kDa protein
30	453900	AW003582	Hs.226414	ESTs, Weakly similar to ALUB_HUMAN ALU S
	415717	AA167270	Hs.130435	ESTs
	428329	AA426091	Hs.98453	ESTs, Moderately similar to R27328 2 [H]
	427119	AW880562	Hs.272525	ESTs
	432117	AL036195	Hs.2909	protamine 1
	446837	AW273055	Hs.156598	ESTs
35	442007	AA301116	Hs.142838	nuclear phosphoprotein Nopp34
	422797	AB033064	Hs.236463	KIAA1238 protein
	446258	AI283476	Hs.263478	ESTs
	445577	N40695	Hs.137064	cytoplasmic polyadenylation element bind
	445413	AA151342	Hs.12577	CGI-147 protein
40	449670	F07693	Hs.85603	Homo sapiens mRNA; cDNA DKFZp434K2172 (fr)
	436211	AK001581	Hs.334828	hypothetical protein FLJ10719; KIAA1794
	429529	BE501732	Hs.30522	Homo sapiens cDNA FLJ13010 fr, clone NT
	424235	NM_003181	Hs.143507	T brachyury (mouse) homolog
	448038	AW015073	Hs.232026	ESTs, Weakly similar to RO52_HUMAN 52 KD
45	430272	X04898	Hs.237658	apolipoprotein A-I
	422094	AF129535	Hs.272027	F-box only protein 5
	420424	AB033036	Hs.97594	KIAA1210 protein
	447924	AI817226	Hs.313413	ESTs, Weakly similar to T23110 hypothetical
	422631	BE218919	Hs.118793	hypothetical protein FLJ10688
50	453448	AL036710	Hs.209527	ESTs
	438378	AW970529	Hs.86434	hypothetical protein FLJ21816
	418235	BE072634		gb:PMI-B10548-171299-001-H08 BT0548 Homo
	427961	AW293165	Hs.143134	ESTs
55	441553	AA281219	Hs.121295	ESTs
	429999	AI761902	Hs.99597	ESTs
	426496	D31765	Hs.170114	KIAA0081 protein
	410929	H47233	Hs.30643	ESTs
	448757	AI386784	Hs.48820	TATA box binding protein (TBP)-associate
60	457107	AA418246	Hs.185795	ESTs, Weakly similar to Z184_HUMAN ZINC
	408332	H91230	Hs.234794	Homo sapiens mRNA; cDNA DKFZp554B083 (fr)
	440138	AB033023	Hs.318127	hypothetical protein FLJ10201
	407568	AA740964	Hs.62699	ESTs
	409798	AA248587	Hs.30237	ESTs, Weakly similar to ALUB_HUMAN III
65	431215	AA496078	Hs.121554	Human DNA sequence from clone RP11-218C1
	416350	AF188625	Hs.189507	phospholipase A2, group IID
	452197	AW023595	Hs.232048	ESTs
	420333	AJ001383	Hs.97084	lymphocyte antigen 94 (mouse) homolog (a
	403780			C4001759;gi|133250|sp|P18474|RC52_HUMAN
70	418378	AW962081		gb:EST374154 MAGE resequences, MAGG Homo
	418694	W73921	Hs.50743	ESTs
	426623	AA382825	Hs.132793	ESTs
	443537	D13305	Hs.203	cholecystokinin B receptor
	414812	X72755	Hs.77367	monokine induced by gamma interferon
	453716	AA037675	Hs.152675	ESTs
75	402299			Target Exon
	411945	AI033527	Hs.92137	L-myc-2 protein (MYCL2)
	414034	U89277	Hs.305985	early development regulator 1 (homolog o
	409086	AA062980	Hs.66950	ESTs
	437496	AA452378	Hs.146668	Homo sapiens mRNA; cDNA DKFZp547J125 (fr)
80	416661	AA634543	Hs.79440	IGF-II mRNA-binding protein 3
	450375	AA009547		a disintegrin and metalloproteinase domain
	416201	AA445752	Hs.195161	ESTs
	420348	AI137385	Hs.97140	Homo sapiens mRNA; cDNA DKFZp34M1126 (fr)

423198	M81933	Hs.1634	cell division cycle 25A	4.82	
424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	4.81	
418971	AA360392	Hs.87113	ESTs	4.80	
411571	AA122393	Hs.70811	hypothetical protein FLJ20516	4.80	
5	409517	X90780	tropomodulin, cardiac	4.80	
	424322	AL157491	Hs.145211	Homo sapiens mRNA; cDNA DKFZp434K1111 (f	4.80
	443169	AI038687	Hs.133338	ESTs	4.80
	438624	AA889055	Hs.123468	ESTs	4.79
	442662	BE379584	dolichyl-diphosphooligosaccharide-protein	4.76	
10	412630	AA766268	hypothetical protein FLJ13345	4.76	
	443716	AI583187	cyclin E1	4.76	
	423123	NM_012247	SELENOPHOSPHATE SYNTHETASE ; Human selen	4.75	
	451105	AT761324	gbw60b11.x1 NCI_CGAP_Co16 Homo sapiens	4.71	
15	444431	AW513324	Hs.42280	Homo sapiens, clone MGC:9010, mRNA, comp	4.71
	440591	AA431599	Hs.132799	hypothetical protein FLJ23451	4.71
	424281	AA766243	gbw60b11.s1 NCI_CGAP_GCB1 Homo sapiens	4.70	
	447175	AI365208	ESTs	4.70	
	408101	AW968504	Hs.293606	CDC2-related protein kinase 7	4.69
20	430183	BE010038	gb:PM3-BN0176-100400-001-g04 BN0176 Homo	4.68	
	416445	AL043004	Hs.79337	KIAA0135 protein	4.66
	429852	AA766810	ESTs	4.65	
	426054	U12431	Hs.166109	ELAV (embryonic lethal, abnormal vision,	4.65
	418618	U65097	Hs.86724	GTP cyclohydrolase 1 (dope-responsive dy	4.64
25	445537	AJ245671	Hs.12844	EGF-like-domain, multiple 6	4.62
	427298	AA400495	ESTs	4.62	
	412663	AA121673	Hs.59757	zinc finger protein 281	4.62
	448700	AW208257	Hs.156326	Human DNA sequence from clone RP11-145L2	4.61
	419839	U24577	Hs.93304	phospholipase A2, group VII (platelet-act	4.60
30	446751	AA766998	Hs.79126	Human DNA sequence from clone RP11-16L21	4.60
	432658	NM_000246	Hs.3076	MHC class II transactivator	4.60
	434283	AW235341	Hs.58715	thiamine pyrophosphokinase	4.60
	437915	AI637993	Hs.202312	Homo sapiens clone N11 NTera2D1 teratocar	4.60
	421830	AA789269	Hs.122509	ESTs, Weakly similar to DJ1018D12.3 [Hs	4.59
35	440006	AK000617	Hs.6844	NALP2 protein; PYRIN-Containing APAF1-II	4.58
	450719	AI096837	Hs.21349	ESTs, Weakly similar to RBBB_HUMAN RAS-R	4.58
	431721	AB032996	Hs.268044	KIAA1170 protein	4.55
	423175	W27595	Hs.347310	hypothetical protein FLJ14627	4.55
	453529	AA036729	Hs.335639	ESTs	4.55
40	416209	AA236776	Hs.78078	MAD2 (mitotic arrest deficient, yeast, h	4.55
	444386	BE065183	gb:RC1-BI0314-020200-012-c04 BT0314 Homo	4.55	
	428976	AL037824	Hs.194695	ras homolog gene family, member 1	4.55
	449510	AI653154	ESTs	4.55	
	414725	AA769791	ring finger protein 21, Interferon-respo	4.54	
45	424153	AA451737	Hs.141495	MAGE-like 2	4.53
	444466	AA349211	Hs.76205	cyclochrome P450, subfamily XIA (chole	4.52
	448966	AW372914	Hs.86149	phosphoinositol 3-phosphate-binding prot	4.50
	458443	AV847010	Hs.27	glycine dehydrogenase (decarboxylating;	4.48
	453289	AI188161	Hs.144627	ESTs	4.48
50	433641	AF080229	gb:Human endogenous retrovirus K clone 1	4.45	
	440196	NT2847	Hs.125221	ESTs	4.45
	452338	AW608920	Hs.29169	zinc finger protein 75 (D8C6)	4.45
	428855	AI435901	Hs.89563	nuclear cap binding protein subunit 1, 8	4.45
	418734	H81213	Hs.14026	ESTs, Weakly similar to KIAA1503 protein	4.45
55	442240	AI791883	Hs.292719	ESTs	4.45
	421917	AB028943	Hs.109445	KIAA1020 protein	4.45
	420949	AA934063	Hs.13836	ESTs, Weakly similar to I38022 hypothet	4.44
	449676	AW380579	Hs.209657	ESTs	4.43
	433163	AF231330	Hs.222024	transcription factor BMAL2	4.40
60	439314	AA382413	Hs.178144	ESTs	4.40
	425312	AA354940	Hs.145958	ESTs	4.39
	427584	BE410293	Hs.178718	v-myb avian myeloblastosis viral oncogen	4.39
	430444	AW298421	Hs.121035	ESTs	4.35
	416773	AK000340	Hs.79828	hypothetical protein FLJ20333	4.35
65	421010	AW974553	Hs.267124	ESTs, Weakly similar to ALU0_HUMAN ALU S	4.34
	418216	AA662240	Hs.283099	AF15q14 protein	4.32
	450351	BE547257	Hs.59791	hypothetical protein MGC13183	4.32
	454073	AW206285	Hs.116727	ESTs	4.30
	417006	AW573605	Hs.80758	aspartyl-tRNA synthetase	4.30
	417576	AA339449	Hs.82285	phosphoibucylglycamide formyltransfer	4.30
70	448877	AI583696	Hs.253313	ESTs	4.28
	421379	Y15221	Hs.103982	small inducible cytokine subfamily B (C	4.27
	411630	U42349	Hs.71119	Putative prostate cancer tumor suppressor	4.25
	430292	AK000634	Hs.238270	hypothetical protein FLJ20527	4.25
	427778	AA412232	Hs.105323	ESTs	4.25
75	418768	T39310	gb:ya04a09.2 Stratagene lung (937210) H	4.25	
	409268	AA625304	ESTs	4.25	
	442010	AI032680	ESTs	4.24	
	452807	AA028933	ESTs	4.23	
80	401435		C14000397*:g||749989|p|p|T33295 hypoth	4.23	
	447519	U46258	Hs.339665	ESTs	4.21
	421307	BE539976	Hs.103305	Homo sapiens mRNA; cDNA DKFZp434B0425 (f	4.21
	424590	AW9386399	Hs.46821	hypothetical protein FLJ20086	4.20
	453909	AW004045	Hs.203365	ESTs	4.20

431126	AF085243	Hs.283619	zinc finger protein 236	4.20	
429628	H09604	Hs.13288	ESTs	4.20	
415989	A1267700		ESTs	4.20	
421373	AA808229	Hs.46877	ESTs	4.20	
5	433979	AA620999	gb:hg03a08.s1 Soares_testis_NHT Homo sap	4.20	
	408321	AW405882	cordistatin	4.19	
	410193	AJ132592	zinc finger protein 281	4.17	
	430335	D80007	KIAA0185 protein	4.17	
10	408031	AA081395	Homo sapiens cDNA FLJ10366 fis, clone NT	4.16	
	438885	A1885558	ESTs	4.15	
	451578	NM_016323	cyclin-E binding protein 1	4.15	
	432446	AA542845	GAJ protein	4.13	
	445076	A1206888	ESTs	4.11	
15	420218	AW958037	ribosomal protein L4	4.10	
	453628	AW243307	hypothetical protein	4.10	
	418459	R85436	ESTs	4.10	
	418866	T65754	gb:yc1c07.s1 Stratagene lung (937210) H	4.08	
	440404	AJ015881	mitochondrial ribosomal protein S5	4.06	
20	426300	U15979	delta-like homolog (Drosophila)	4.06	
	446223	BE300091	hypothetical protein FLJ12969	4.05	
	429984	AL060102	hypothetical protein FLJ21617	4.05	
	449687	W68520	intermediate filament protein syncollin	4.05	
	452109	A1526873	hypothetical protein FLJ14909	4.05	
25	401464		Histone deacetylase 5	4.05	
	444670	H58373	Hs.332938	hypothetical protein MGC5370	4.05
	415884	H22986	ESTs	4.05	
	442086	BE602147	ESTs	4.04	
	402098		ENSP00000217725:Laminin alpha-1 chain p	4.02	
30	404287		FGENESH predicted novel CUB-domain conta	4.01	
	422756	AA441787	glycoprotein hormones, alpha polypeptide	4.01	
	449704	AK000733	GTPase activating protein	4.00	
	445685	AW779829	gb:hn80a05.x1 NCI_CGAP_Kid11 Homo sapien	4.00	
	444379	N99035	ESTs	4.00	
35	435373	AW665538	ESTs	4.00	
	424557	AA343057	ESTs, Moderately similar to neuronal thr	4.00	
	413646	BE155042	gb:PM0-HT0349-101299-002-E04 HT0349 Homo	4.00	
	418648	AW979223	ESTs	4.00	
	446074	AA079799	hypothetical protein FLJ11896	4.00	
40	447353	A1375701	ESTs	4.00	
	410100	AA081836	ESTs, Weakly similar to S41044 chromosom	4.00	
	428856	AA436735	hypothetical protein FLJ22002	4.00	
	445140	A1650599	ESTs, Weakly similar to SCP3 MOUSE SYNAP	4.00	
	406367		NM_022357:Homo sapiens putative metallo	3.99	
	437834	AA769294	gb:zn36g03.s1 NCI_CGAP_GCB1 Homo sapiens	3.99	
45	453985	N44545	ESTs	3.98	
	408446	AW450669	hypothetical protein DKFZp4341143	3.97	
	408562	A1436323	roundabout (axon guidance receptor, Dros	3.97	
	414713	BE465243	ESTs	3.96	
	426057	AW6564691	ESTs	3.96	
50	456497	AW967956	ESTs, Weakly similar to AF108460 1 ubiru	3.96	
	454679	AW813110	gb:CM4-ST0169-051099-021-f05 ST0189 Homo	3.95	
	451865	H43737	ESTs, Weakly similar to unknown protein	3.95	
	403137		NM_005361:Homo sapiens nucleolin (NCL)	3.95	
55	445730	A1624342	ESTs	3.95	
	451993	AA785776	ESTs	3.95	
	428819	AL135623	KIAA0575 gene product	3.92	
	433633	A817723	hypothetical protein FLJ21832	3.91	
60	420812	AA716303	ESTs	3.90	
	423806	AA331247	ESTs	3.90	
	437205	AL110232	Homo sapiens mRNA; cDNA DKFZp564D2071 (f	3.90	
	449211	A192972	ESTs	3.90	
	409757	NM_001898	Hs.198073	3.90	
	436027	A1664053	cystatin SN	3.89	
65	432512	NM_003284	ESTs, Weakly similar to I38588 reverse t	3.89	
	440840	AW629566	transition protein 1 (during histone to	3.89	
	449099	A1629041	ESTs, Weakly similar to S64054 hypothet	3.88	
	408092	NM_007057	ESTs	3.88	
	423509	AJ223183	ZW10 interactor	3.85	
	437162	AW005505	immunoglobulin superfamily, member 6	3.85	
70	424381	AA285249	thyroid hormone receptor coactivating pr	3.84	
	433023	AW664793	protein kinase Csk2(CHEK2)	3.83	
	452571	W31518	thrombospondin 1	3.82	
	421413	A1826128	ESTs	3.81	
	440953	A1683036	ESTs, Weakly similar to A49364 59 prot	3.80	
75	420697	AA827705	Homo sapiens cDNA FLJ13051 fis, clone NT	3.80	
	407275	A1364186	ESTs	3.80	
	422789	AK001113	gb:gw34h07.x1 NCI_CGAP_U4 Homo sapiens	3.80	
	411856	H67899	ESTs, Weakly similar to A49364 59 prot	3.80	
	449529	A1990559	hypothetical protein FLJ23269 fis, clone C	3.80	
80	447444	AK000318	ESTs	3.80	
	444656	A1277924	hypothetical protein FLJ20311	3.78	
	448674	W31178	ESTs	3.77	
	415829	AW450198	ovary-specific acidic protein	3.77	
			ESTs	3.76	

436188	AK001049	Hs.48712	hypothetical protein FLJ20736	3.75	
402178		C19001998:gi|6453813|ref|NP_008926.2| b		3.75	
418179	X51630	Hs.1145	Wilms tumor 1	3.75	
5	423545	AP000692	chromosome 21 open reading frame 5	3.75	
429063	AW363845	Hs.322903	ESTs, Weakly similar to A46010 X-linked	3.75	
437440	AA846804		ESTs	3.75	
427366	AA885108	Hs.223806	TATA box binding protein (TBP)-associate	3.74	
438456	AA913381	Hs.20594	ESTs	3.73	
418821	AA436002	Hs.183161	ESTs	3.73	
10	417918	AA209205	hypothetical protein FLJ12606	3.73	
415912	H08859	Hs.206469	ESTs, Weakly similar to ALU1_HUMAN ALU S	3.71	
423020	AA3B3092	Hs.1608	replication protein A3 (14kD)	3.70	
408928	AL137163	Hs.67549	hypothetical protein dJ47384	3.70	
15	414206	AW276887		3.70	
427761	AA412205	Hs.140996	ESTs	3.69	
428728	NM_016625	Hs.191381	hypothetical protein	3.68	
452631	AI188658	Hs.87498	ESTs	3.68	
427719	AI393122	Hs.134726	ESTs	3.68	
20	431869	AA521135	Hs.190176	ESTs	3.67
429830	AI537278	Hs.225841	DKFZP434D193 protein	3.67	
420297	AI626272	Hs.88323	ESTs, Weakly similar to ALU1_HUMAN ALU S	3.66	
421972	M18185	Hs.1454	gastric inhibitory polypeptide	3.66	
25	403433		NM_001622:Homo sapiens alpha-2-HS-glycop	3.65	
456030	AA136106	Hs.184852	KIAA1553 protein	3.65	
402408			NM_030920:Homo sapiens hypothetical pro	3.65	
452387	AI680772	Hs.308094	trinucleotide repeat containing 12	3.65	
416508	R11499	Hs.189716	ESTs	3.65	
417553	L09190		trichohyalin	3.65	
30	408065	AW954272	gb:E8T366342 MAGE resequences, MAGC Homo	3.65	
431077	AI659133	Hs.115660	hypothetical protein FLJ12810	3.64	
452461	N78223	Hs.108106	transcription factor	3.60	
437660	W31708	Hs.55304	ESTs	3.60	
420552	AK000492	Hs.98806	hypothetical protein	3.60	
35	419926	AW900992	DKFZP586D2223 protein	3.59	
420161	AI683089	Hs.120817	ESTs	3.59	
414747	U30672	Hs.77204	centromere protein F (350/400kD, mitosin	3.59	
449571	AW016812	Hs.200266	ESTs	3.56	
424727	AW590378	Hs.152519	hypothetical protein FLJ20574	3.55	
441820	AA969119	Hs.143502	ESTs, Weakly similar to envelope protein	3.55	
40	423685	BE350494	uveal autoantigen with coiled coil domain	3.55	
427532	AA442152	Hs.104744	hypothetical protein DKFZp434J0617	3.55	
437700	AA766060	Hs.301209	myeloid/lymphoid or mixed-lineage leukemia	3.55	
438176	AW138970	Hs.122113	ESTs	3.55	
453062	AW207538	Hs.61603	KIAA1677	3.55	
45	447064	AB002350	KIAA0352 gene product	3.55	
430056	X97548	Hs.17262	KPAB-associated protein 1	3.55	
418049	AA211467	Hs.228059	Homo sapiens, Similar to nuclear localiz.	3.54	
434288	AW189075	Hs.116265	fibrillins	3.54	
50	439176	AI446444	Hs.190394	ESTs, Weakly similar to B28096 line-1 pr	3.52
421350	AW301608	Hs.278188	ESTs, Moderately similar to I54374 gene	3.52	
413943	AW294416	Hs.144687	Homo sapiens cDNA FLJ12981 f2, clone NT	3.52	
412123	BE251328	Hs.73291	hypothetical protein FLJ10881	3.51	
430958	AW9572830		gb:E8T384925 MAGE resequences, MAGL Homo	3.50	
449457	AW205005	Hs.187042	ESTs	3.50	
55	405935		Target Exon	3.50	
429782	NM_005754	Hs.220669	Ras-GTPase-activating protein SH3-domain	3.50	
411027	AF072099	Hs.67846	leukocyte immunoglobulin-like receptor,	3.50	
412140	AA219691	Hs.73625	RAB6 interacting, kinesin-like (rabkines)	3.49	
60	429183	AB014604	KIAA0704 protein	3.49	
428878	AA436884	Hs.46926	ESTs	3.49	
418203	X54942	Hs.83758	CDC28 protein kinase 2	3.49	
435068	H16262	Hs.31415	ESTs	3.48	
442573	H93366	Hs.7567	branched chain aminotransferase 1, cytos	3.48	
65	451065	AW285132	ESTs, Weakly similar to granule cell mer	3.48	
419741	NM_007019	Hs.93002	ubiquitin carrier protein E2-C	3.48	
406542			C19000728:gi|12565552|p|Q9Y2Q1|Z257_HU	3.47	
422406	AF025441	Hs.116206	Ope-interacting protein 5	3.46	
402099			ENSP00000217725:Laminin alpha-1 chain p	3.45	
70	418826	AK000375	HDCMC28P protein	3.45	
424513	BE385964	Hs.149894	mitochondrial translational initiation f	3.45	
427617	D42063	Hs.199179	RAN binding protein 2	3.45	
428361	NM_015905	Hs.183858	transcriptional intermediary factor 1	3.45	
400288			NM_003292:Homo sapiens translocated prom	3.45	
75	443595	AW026048	Hs.134124	ESTs	3.45
442875	BE523003	Hs.23525	Homo sapiens clone TCCCTA00142 mRNA sequ	3.45	
416031	T30290	Hs.107515	ESTs, Weakly similar to T00329 hypotheti	3.45	
435244	N77221	Hs.187824	ESTs	3.45	
423354	AB011130	Hs.127436	calcium channel, voltage-dependent, alph	3.45	
80	453785	AI386236	ESTs, Moderately similar to ALU1_HUMAN A	3.45	
420688	A1950339	Hs.40782	ESTs	3.44	
429467	NM_004477	Hs.203772	FSHD region gene 1	3.43	
448769	N66037	Hs.38173	ESTs	3.43	
423453	AW450737	Hs.128791	CGI-09 protein	3.41	

417705	AW134952	Hs.175220	hypothetical protein FLJ14541	3.41	
410252	AW821182	Hs.61418	microfibrillar-associated protein 1	3.41	
404068			Target Exon	3.40	
401644			Target Exon	3.40	
5	422364	AF067800	Hs.115515	C-type (calcium dependent, carbohydrate-ESTs, Moderately similar to 154374 gene	3.40
	452907	BE256968	Hs.31652	ESTs, Moderately similar to 154374 gene	3.40
	420281	A1623693	Hs.323494	Predicted catenin efflux pump	3.39
	452404	AW450675	Hs.212709	ESTs	3.39
	452256	AK000933	Hs.20661	Homo sapiens cDNA FLJ10071 f1s, clone HE	3.39
10	420892	AW975076	Hs.172589	nuclear phosphoprotein similar to S. cerevisiae, Weakly similar to I38022 hypothetical ESTs	3.39
	440606	A1B28751	Hs.158084	peroxisome receptor 1	3.38
	425474	Z48054	Hs.2484	T-cell leukaemia/lymphoma 1A	3.37
	429714	BE561801	Hs.14347	hypothetical protein FLJ10460	3.37
15	446214	A001322	Hs.256150	Homo sapiens, Similar to RIKEN cDNA 2810	3.36
	434808	AF155108	Hs.22051	hypothetical protein MGC15548	3.36
	448789	BE539108	Hs.106260	hypothetical protein MGC15548	3.36
	421633	AF121860	Hs.293807	sorting nexin 10	3.36
	438192	A1859055	Hs.293807	Homo sapiens AFG3L1 isoform 1 mRNA, part	3.36
	436511	AA721252	Hs.291502	ESTs	3.35
20	402680			Target Exon	3.35
	414598	A1094221	Hs.135150	fung type-I cell membrane-associated gly	3.35
	449477	A1652602	Hs.197043	ESTs	3.35
	413686	A1469213	Hs.71404	ESTs	3.35
	401091			decay accelerating factor for complement	3.35
	418295	AW970043	Hs.238039	hypothetical protein FLJ11090	3.35
	433220	A1076192	Hs.131933	ESTs	3.34
	453200	AA033832	Hs.212433	ESTs	3.33
	427239	BE270447		ubiquitin carrier protein	3.33
30	418355	142553	Hs.1165	ATPase, H ₂ transporting, nongastric, alp	3.33
	421535	AB002359	Hs.105478	phosphoribosylformylglycine synthase	3.31
	441243	A1767056	Hs.193002	ESTs	3.30
	440716	AW105245	Hs.146509	ESTs	3.30
	400587			C10000649^:g||7286574|gb|AAF51857.1| (AE	3.30
	401148			Target Exon	3.30
35	411752	AW236047	Hs.126497	ESTs	3.30
	433252	AB040957	Hs.151343	KIAA1524 protein	3.30
	434008	AA740878	Hs.112892	ESTs	3.30
	444665	BE513126	Hs.47783	B aggressive lymphoma gene	3.30
	458067	AA393603	Hs.36752	protein kinase anchoring protein SKAP42	3.30
40	410340	AW182833	Hs.112188	hypothetical protein FLJ13149	3.30
	452761	BE244742	Hs.30532	CG-77 protein	3.29
	451418	BE387790	Hs.26369	hypothetical protein FLJ20287	3.29
	429323	NM_001849	Hs.2391	spicul protein, Xenopus laevis-like	3.28
	432809	AA565508	Hs.131703	ESTs	3.27
45	449426	T92251	Hs.198882	ESTs	3.27
	425174	D87450	Hs.154978	KIAA0261 protein	3.25
	435159	AA668879	Hs.116649	ESTs	3.25
	446597	AK001334	Hs.15470	putative ring zinc finger protein NY-REN	3.25
	411554	W22895	Hs.112360	prominin (mouse)-like 1	3.25
50	447555	A1391662	Hs.160963	Homo sapiens, clone MGC:12318, mRNA, com	3.25
	426931	NM_003416	Hs.2076	zinc finger protein 7 (KOX 4, clone HF.1	3.25
	445093	A1207197		ESTs	3.25
	410275	U85658	Hs.61796	transcription factor AP-2 gamma (activat	3.24
	424568	AF005418	Hs.150695	cytochrome P450, subfamily XXVIA, polype	3.24
55	453293	A1382267	Hs.10653	ESTs	3.24
	421854	AW163267	Hs.106469	suppressor of var1 (<i>S.cerevisiae</i>) 3-like	3.23
	430552	AA176374	Hs.243886	nuclear autoantigenic sperm protein (his	3.22
	411975	A1916058	Hs.144583	ESTs	3.22
60	448140	AF146761	Hs.20450	BCM-like membrane protein precursor	3.22
	403432			NM_001622:Homo sapiens alpha-2-HS-glycop	3.21
	436515	AJ278111	Hs.195292	putative tumor antigen	3.21
	456505	AA504595		ESTs	3.21
	427658	A298760	Hs.180191	hypothetical protein FLJ14904	3.21
65	452794	A192444	Hs.25892	ESTs, Weakly similar to I37356 epithelia	3.20
	427314	AB033024	Hs.175475	KIAA1198 protein	3.20
	424051	AL110203	Hs.138411	Homo sapiens mRNA; cDNA DKFZp586J1922 (f	3.20
	452028	AK001859	Hs.27595	hypothetical protein FLJ21142	3.20
	421002	AF116030	Hs.100932	transcription factor 17	3.20
	422225	BE245652	Hs.118281	zinc finger protein 266	3.20
70	437549	AA759149	Hs.128757	gb:ah70e03.a1|Spartea_leavis_NHT| Homo sap	3.20
	418524	A1300576	Hs.85769	acidic 82 kDa protein mRNA	3.20
	427642	R40761	Hs.9834	ESTs	3.20
	442765	BE567353	Hs.99480	ESTs	3.20
	410048	W76467	Hs.343874	proline oxidase homolog	3.20
75	412008	NM_001841	Hs.73037	cannabinoid receptor 2 (macrophage)	3.20
	423675	A189059	Hs.131342	small inducible cytokine subfamily A (C	3.20
	453895	AA039843	Hs.61948	Homo sapiens, clone MGC:16466, mRNA, com	3.20
	424144	AA454033	Hs.41644	AKAP-associated sperm protein	3.19
	428612	AA770001		ESTs	3.19
80	422805	AA436999	Hs.121017	H2A histone family, member A	3.19
	444371	BE540274	Hs.239	forkhead box M1	3.18
	427528	AU077143	Hs.179565	midichromosomal maintenance deficient (<i>S.</i>	3.17
	451664	AF216751	Hs.26813	CDA14	3.17